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On the Lepidoptera fauna of a single locality, Saklıvadi (Van Province, East Turkey)

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Abstract: On the Lepidoptera fauna of a single locality, Saklıvadi (Van Province, East Turkey). *Priamus* 15 (1): 1-80, 101 figs., 45 maps, 1 Tab.

This paper deals with the Lepidoptera fauna of Saklıvadi in Çatak district of Van Province (East Turkey). Totally 273 species of butterflies (5 families) and moths (19 families) are listed alphabetically. Chronologically arranged synonymous names and ranges (in codes) are also mentioned. A new subspecies, *Pelochrista dagestana* ssp. n. *alpicola* is described in the family *Tortricidae*, with an individual new form. Totally 46 behavioural images in nature are given. Genitalia and some tympanal organs are prepared and illustrated. Totally 44 dual maps are prepared for this paper. Faunistically one species was found in Turkey for the first time, while 24 moth species were new to the Van Province.

Key words: *Pelochrista dagestana alpicola*, *Tortricidae*, *Lepidoptera*, fauna, description, new subspecies, tympanal organs, genitalia, Turkey, Van.

Lepidoptera of East Turkey has been investigating faunistically by the authors since 2001. Especially Van Province is at the centre of the authors' interest. As a result of this, total number of the Lepidoptera species, known in the province has increased from about 400 to 1507 (Koçak & Kemal, 2009, 2012)². Within the private Cesa Projects, Diversity of the Lepidoptera in the World (DLW)³, Entomofauna of Turkey (ET)⁴, Tympanal morphology of the family *Geometridae* (Lepidoptera) (TMG)⁵, Tympanal Morphology of the *Pyralidae* (Lepidoptera) (TMP)⁶, and Mapping of the Lepidoptera of Old World (MLO)⁷, the authors published several important papers on various districts of Van Province recently (Kemal & Koçak, 2016a, 2016c, 2016d, 2016e, 2016f, 2017). The present paper deals with the Lepidoptera of Saklıvadi.

Saklıvadi (means secret valley), is a very small studying locality of the authors within the territory of Onağıl village (northern Çatak; Van Province). Its locality code is given by the authors as "65Df"⁸. In 2016, this restricted valley became the focus of the authors. From late July to October of the last year, collecting by light trap, and observations before sunset and dawn have been realized regularly. The security condition of the region limited authors' studying time, as mentioned (Fig.1).

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² see also Info-system of the Cesa: <http://www.cesa-tr.org/Infos.htm>

³ <https://www.researchgate.net/project/Diversity-of-the-Lepidoptera-in-the-World-DLW>

⁴ <https://www.researchgate.net/project/Entomofauna-of-Turkey-ET>

⁵ <https://www.researchgate.net/project/Tympanal-morphology-of-the-family-Geometridae-Lepidoptera-TMG>

⁶ <https://www.researchgate.net/project/Tympanal-Morphology-of-the-Pyralidae-Lepidoptera-TMP>

⁷ <https://www.researchgate.net/project/Mapping-of-the-Lepidoptera-of-Old-World-MLO>

⁸ See also codelist of the Cesa publications: <http://www.members.tripod.com/entcesa/Code.pdf>

Saklıvadi is a place, with 100m x 300m in dimensions (ca. 7ac), about 2050m above sea level, originally covered by mountain steppe, but heavily degraded by sheep and goats in the present time. There is a small mountain stream on the basin, flowing only in the spring. The area during the summer and the autumn is an arid place.

The butterflies of Saklıvadi hasnot been regularly studied so far. Therefore, the present number of the butterfly species is far from the representing of the main fauna. However, the species list of the moths may give an idea on the fauna. The total number of the Lepidoptera mentioned below is 273 species initially. This number is expected to exceed 600.

All the photographs and the preparations belong to the first author. Maps are prepared by the second author. The materials of several thousand were collected and identified by the authors (in coll. Cesa)^{9,10}.



Fig. 1 – Studying time at Saklıvadi, before sunset on 07.40 p.m., 12 July, 2016.

Butterflies

In Saklıvadi, the following 35 butterfly species were recorded in late summer of the year 2016. The vernal species, marked with “*”, were collected by the authors in the spring years ago: *Aglais urticae* (Linnaeus,1758), *Argynnis (Fabriciana) niobe* (Linnaeus,1758), *Melitaea (Cinclidia) phoebe* (Goeze,1779), *Melitaea (Didymaeformis) persea* Kollar,[1849], *Melitaea (Didymaeformis) syriaca* Rebel,1905, *Melitaea (s.str.) cinxia* (Linnaeus,1758) (*Argynnidae*); *Carcharodus (s.str.) alceae* (Esper,[1780]), *Pyrgus serratulae* (Rambur,[1839]), *Spialia (Neospialia) orbifer* (Hübner,[1823]), *Spialia (s.str.) phlomidis* (Herrich-Schäffer,[1845]), *Thymelicus sylvestris* (Poda,1761) (*Hesperiidae*); **Glaucopsyche (s.str.) alexis* (Poda,1761), *Lycaena (Alciphronia) alciphron* (Rottemburg,1775), *Lycaena (Thersamonia) kefersteinii* (Gerhard,[1850]), *Plebejus (s.str.) argus* (Linnaeus,1758) (**Fig. 2**), *Plebejus (Kretania) carmon* (Gerhard,[1851]) (**Fig. 3**), *Plebejus (Plebejides) zephyrinus* (Christoph,1884), *Polyommatus (s.str.*

⁹ <http://grbio.org/cool/eaaz-xyfc>

¹⁰ Growing unrest in the country effects our studying conditions negatively. Therefore we are unable to list all the material used, since most of them stored in the Cesa collection, Ankara, very far from our current living place.

(*Agrodiaetus (Transcaspicus)*)) *altivagans* (Forster,1956), *Polyommatus (s.str. (Agrodiaetus (Transcaspicus))) surakovi* Dantchenko & Lukhtanov,1994 (**Fig. 4**), *Polyommatus (s.str. (Cyaniris)) bellis* (Freyer,[1842]), *Polyommatus (s.str. (Meleageria)) daphnis* ([Denis & Schiffermüller],1775), *Polyommatus (s.str. (Plebicula)) amandus* (Schneider,1792), **Rubrapterus bavius* (Eversmann,1832), *Satyrrium (Nordmannia) abdominalis* (Gerhard,[1850]) (**Fig. 5**), **Tomares callimachus* (Eversmann,1848), **Tomares romanovi* (Christoph,1882), *Turanana endymion* (Freyer,[1850]) (*Lycaenidae*); **Anthocharis grueneri* Herrich-Schäffer,[1851], *Colias (Eriocolias) crocea* (Fourcroy,1785), *Leptidea duponcheli* (Staudinger,1871), *Pieris (Artogeia) ergane* (Geyer,[1828]), *Pontia edusa* (Fabricius,1777), **Zegris eupheme* (Esper,[1804]) (*Pieridae*); *Hyponephele (s.str.) lupina* (Costa,[1836]), *Melanargia (Turcargia) hylata* (Ménétriés,1832) (**Fig.6**) (*Satyridae*).

Moths

The following annotated list in alphabetical order is composed of 238 species of 19 families (*Alucitidae*, *Arctiidae*, *Coleophoridae*, *Cosmopterigidae*, *Cossidae*, *Ctenuchidae*, *Ethmiidae*, *Gelechiidae*, *Geometridae*, *Hepialidae*, *Lasiocampidae*, *Lymantriidae*, *Noctuidae*, *Oecophoridae*, *Pyrilidae*, *Sphingidae*, *Tortricidae*, and *Yponomeutidae*). Synonymous names, and range of each species are given below in codes. The code of Saklıvadi “65Df” is marked below in red.

Totally 24 species are new for the fauna of Van Province. One species is reported first for the fauna of Turkey. One new subspecies is described in the family *Tortricidae*.

Alucitidae

Two species of this family have been recorded from Saklıvadi, but their specific identity is still under examination.

Arctiidae

On this family, the authors published a faunistical paper of Turkey (Koçak & Kemal, 2015).

36. *Axiopoenia karelini* Ménétriés,1863 Map 2

Synonym(s): *karelini* Ménétriés,1863; *transcaucasia* Sheljuzhko,1926; *manissadjiani* O.Bang-Haas,1927. Range (in code): Cc GG Btm Tbl Abk Sok TR AM Mig AZ Nv IQ R wz Brs IR Bzg Ab Lo Km Kz Bk By Es Fa Shr o8 21 24 25 30 36 44 56 62 65 72 76 o8A 98H 24E 25R 30D 30Dx 36D 44L 56F 56Fn 62E 65D **65Df** 76A 76Ac

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 28 8 2016, A. Koçak leg.

This species is new for the fauna of Van Province (Koçak & Kemal, 2015).

37. *Cymbalophora rivularis* (Ménétriés,1832) Map 3

Synonym(s): *rivularis* Ménétriés,1832; *dannehli* Dannehl,1929. Range (in code): IT MK AL BG GR TR GG AZ Hkd Cc Kir IR Ab Ak Oru Thz RU Da AM UA o1 23 25 30 36 42 65 70 o1K 23I 25F 25N 30B 30Bg 30D 30Da 36F 42B 42Bb 65D **65Df** 65F 65Fa 65Fe 65Bx 65G 65Ge 70A 70Ac

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 28 8 2016, A. Koçak leg.

38. *Euplagia splendidior* (Tams,1922) Map 4

Synonym(s): *splendidior* Tams,1922; *tkatshukovi* Sheljuzhko,1935. Range (in code): IR Ab Oru Kd Mrv Km Il By Es Lo Fa Shr Ma IQ R wz Shq Mos TR Cc AM Eri Ink AZ Nv Ord 30 36 56 62 65 73 76 30B 30Ba 30Bf 30Bg 30Bh 30Bj 30Br 30C 30Cd 30D 30Db 30Dp 30Dt 36C 36D 36Db 36Dd 56F 56Fa 56Fc 56Fx 65A 65Ai 65Am 65Am4 65Ac 65Ac3 65D **65Df** 65Dm 65F 65Fc 65Fp 65Fz 65K 65Kp 65L 65Lb 65N 65Np 65Nr4 65Nm 73A 73Ad 73D 73Dg 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 1♀ 25 7, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

39. *Manulea (s.str.) complana* (Linnaeus,1758)

Synonym(s): *complana* Linnaeus,1758; *ochrocephala* Fourcroy,1785; *sericea* Gregson,1860; *molybdeola* Guenée,1861; *balcanica* Daniel,1939. Range (in code): FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR CY TR DK NO SE FI EE LV LT RU MD UA Lvv BY Cc GG Bjo Smt Mng Dar AM Da Der KG Lps IR GlS o5 o6 o8 14 16 18 25 33 34 36 39 44 46 58 65 75 o5A o6R o6Rb o6Re o8H 14B 16A 18F 25F 33A 33Ac 34A 34S 36D 36F 39H 44I 44Ic 58G 58Gi 65A 65Ac 65Ac3 65D **65Df** 75F 75Fe

40. *Manulea (s.str.) palliatella* (Scopoli,1763) (*Arctiidae*) Synonym(s): *palliatella* Scopoli,1763; *unita* [Denis & Schiffermüller],1775; *palleola* Hübner,[1808]; *gilveola* Ochsenheimer,1810; *vitellina* Treitschke,1834; *flaveola* Rambur,1866. Range (in code): AET DZ Bsk ES FR Sa Si IT BE DE CH AT PL CZ SK HU RO YU AL BG GR TR IR Elb IQ Brs Cc GG Bjo Smt Da Der LT RU MD UA BY KG Lps AF Nu o1 o6 10 12 14 24 25 39 45 60 62 65 71 81 o1H o6R o6Re o6Rd 10D 12A 12Aa 25F 39H 45K 62E 65A 65Ac 65Ac3 65B 65Bk 65D **65Df** 81F

Coleophoridae

There are numerous species of the genus *Coleophora* Hbn. in the mountain steppes of East Turkey. They will be separately studied in the future. Only two species are mentioned below as examples.

41. *Coleophora* sp.1. Figs. 47, 48

Prep. no: GP2392♂, GP.2449♂. The specimens were collected at Saklıvadi 2050m, 1. 9. 2016. The species may be *quadristraminella* Toll,1961, but we are not sure. Material studied: 4♂, Van Pr., Çatak, Saklıvadi 2030m, 1 – 3 9 2016, A. Koçak leg.

42. *Coleophora* sp.2. From the same place.

Cosmopterigidae

Like the previous family, some of the genera of the family *Cosmopterigidae* are well represented in the mountain steppes of eastern Turkey. There are several species, but only two temporary representatives are given below:

43. *Eteobalea sumptuosella* (Lederer,1855) Map 5

Synonym(s): *sumptuosella* Lederer,1855; *amseli* Osthelder,1940 Range (in code): MA DZ Eba TN ES FR Co IT YU HV MK AL BG GR TR RU Cc MD UA BY LB Bei CY IL Js SY Hal TM AF Pag Kab KG Uk 05 06 16 42 46 58 65 05A 06R 65D 65Df 65Fz

Material studied: 3♂♀, Van Pr., Çatak, Saklıvadi 2030m, 4♂♀ 12 7 2016, 28 8 2016, 3♂♀ 1 9 2016, M. Kemal & A. Koçak leg.

This species is new for the fauna of Van Province.

44. *Eteobalea tririvella* (Staudinger,1871)

Synonym(s): *tririvella* Staudinger,1871; *kasyi* Riedl,1965. Range (in code): IT AT CZ SK HU RO YU SE EE LV RU Sr Sb MD UA BY TR Cc KG Uk Ui CN Ku MN 65 76 65D 65Df 65Fz

Material studied: 16♂♀, Van Pr., Çatak, Saklıvadi 2030m, 12 7 - 1 9 2016, M. Kemal & A. Koçak leg.

Cossidae

45. *Cossulus argentatus* (Staudinger,1887) Fig.14

Synonym(s): *argentatus* Staudinger,1887; *araxes* De Freina,1982 Range (in code): TR Cc AM AZ Nv Ord LB Bsa IR Elb Kdv 04 12 13 25 30 36 42 46 49 51 58 65 69 73 76 04D 04Da 04I 12C 13A 13Ab 13Ax 25R 25Rb 25T 30B 30Bl 30D 30Da 36F 36Fa 36Fb 49E 49Ea 51B 58G 58Ga 58Gg 65A 65Ac 65Ac3 65Ab 65Aba 65Bx 65D 65Df 65F 65Fl 65Fz 65G 65Ge 69B 69Ba 73C 73Cd 76C

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

46. *Phragmacossia territa* Staudinger,1878 Fig. 49, Map 6

Synonym(s): *territa* Staudinger,1878; *transcaspica* Grun-Grshimailo,1895 Range (in code): TR IQ Bsy LB Bsa SY Cc AM TM Rpt UZ Smk TJ IR Elb Dam AF Slg PK Nwf IL Pa EG 05 42 46 51 65 05A 46G 46Gf 42B 51B 51Bc 65D 65Df 65B 65Bo 65Bx .
Prep. no: GP2477♂.

Ctenuchidae

47. *Dysauxes (s.str.) famula* (Freyer,1836) Map 7

Synonym(s): *famula* Freyer,1836; *hyalina* Freyer,1845; *ragusaria* Zickert,1904; *herthina* Stauder,1921; *burgeffi* Draudt,1931; *taurica* Draudt,1931; *pseudoservula* Naufock,1933; *pontica* Friese,1959; *sofiata* De Laever,1983; *lucana* De Laever,1983. Range (in code): FR Co Si IT MT CH AT HU RO SS B-H HV MK YU AL BG GR Rd Cr TR Cc RU Us MN IQ Ry Rwz Kq IL Pa Hf IR Mz GlS Kh TM Kp Ch 01 04 06 07 08 10 11 12 13 14 16 17 21 23 25 30 31 33 34 36 38 42 44 45 46 50 56 59 60 65 71 73 76 01A 04A 06R 06Rb 06Re 07B 08H 10P 11E 12E 13G 13Gü 13Gw 21C 23I 25F 30B 30Bh 30Bd 30Bx 30Be 31K 31Ka 33F 33G 33O 33N 33P 36F 38H 38He 42D 44I 44Ic 44O 46D 46G 46Gf 46Gi 50G 56E 56Eb 56F 59D 60C 65A 65Am 65Am4 65D 65Df 65F 65Fi 65Fp 65Fz 65N 65Np2 65Nm 73C 73Ce 73D 73Db 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8, 2♂ 28 8, 6♂ 1 9 2016, M. Kemal & A. Koçak leg.

Ethmiidae**48. *Ethmia candidella* (Alpheraky,1908)**

Synonym(s): *candidella* Alpheraky,1908; *orientella* Caradja,1931. Range (in code): MA DZ TN PT ES FR IT CH AT CZ SK HU RO YU GR TR IL Jt Pa GG AM Cc IQ Bgd IR Fa Shr Elb Mz RU MD UA BY KG Tk KK UZ 13 16 21 36 42 46 65 71 73 13A 13Ab 13Ax 21N 21Nb 36D 36Db 65D **65Df** 65F 65F1 65Fp 65Fz 65N 65Np 65Np7 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂1♀ 1 9 2016, A. Koçak leg.

49. *Ethmia hakkarica* Koçak,1986

Synonym(s): *hakkarica* Koçak,1986 Range (in code): TR 30 56 65 30B 30Bf 56F 56Fs 65A 65Am 65Am1 65D **65Df** 65Fz

Gelechiidae

In the studied area about 15 gelechiid species have been recorded. Among them 7 species are listed below. The rest of the species are currently under examination.

50. *Agnippe pseudolella* (Christoph,1888) Map 8

Synonym(s): *pseudolella* Christoph,1888; *cephalella* Caradja,1920. Range (in code): RU Sr Ur Ao KG Uk Tks TR IR Elb Kdj AF Pic TM Kp Ger TJ Dsb CN IMn 42 44 50 65 44E 44Eh 50G 50Gc 65D **65Df**. Prep. no: GP2402♂.

Material studied: 1♂♀, Van Pr., Çatak, Saklıvadi 2030m, 12 7 - 1 9 2016, M Kemal & A. Koçak leg. This species is new for the fauna of Van Province (Koçak & Kemal, 2009).

51. *Aroga kurdistan* Derra,2011

Synonym(s): *kurdistan* Derra,2011; *#kurdistan* Derra,2011 Range (in code): TR 30 65 30B 65D **65Df**

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂♀ 25 7, 4♂♀ 23 8 2016, M. Kemal & A. Koçak leg.

The species was originally described from Hakkari Province (Derra, 2011). It is new for the fauna of Van Province.

52. *Nothris gregeri* Karsholt & Sumpich,2015 Fig. 50, Map 9

Synonym(s): *gregeri* Karsholt & Sumpich,2015 Range (in code): MA SE DK TR 04 24 25 29 36 38 65 36F 36Fb 65A 65Am 65Am4 65D **65Df**. Prep. no: GP2383♂

This autumnal species is new for the fauna of Van Province. Identifications of the three sympatric *Nothris* species of Saklıvadi are based upon the genitalic features given by Karsholt & Sumpich (2015). This species occurs also in Bahçesaray district (in preparation), common.

53. *Nothris sabulosella* Rebel,1935 Fig. 51

Synonym(s): *sabulosella* Rebel,1935 Range (in code): TR 06 25 36 42 58 65 06R 25A 36F 36Fb 38H 42B 58G 58R 65D **65Df** 65F 65Fm 65K. Prep. no: GP2389♂

This autumnal species is new for the fauna of Van Province, rare.

54. *Nothris verbascella* ([Denis & Schiffermüller],1775) Figs.15, 52

Synonym(s): *#verbascella* [Denis & Schiffermüller],1775; *verbascella* Brahm,1791; *lutarea* Haworth,1828; *discretella* Rebel,1889; *clarella* Amsel,1935 Range (in code): MA DZ Anna Lbs PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU HV TR BG MK GR Sms LB Bsa DK NO SE FI EE LV RU Cc Sb MD UA BY KG Uk IR Elb Dam Shh IQ Dy Hjo IL Pa 05 06 07 14 16 22 24 25 32 33 36 38 42 44 46 50 58 65 05A 06R 16A 25A 36F 36Fb 44L 44Lc 58G 58Gi 65A 65Am 65Am 65Am4 65D **65Df** 65F 65Fp 65Fz 65N 65Np 65Np6 65Nm. Prep. no: GP2384♂.

This species occurs also in Bahçesaray district (in preparation), commoner in the studying area.

55. *Stomopteryx gaesata* (Meyrick,1913) Map 10

Synonym(s): *gaesata* Meyrick,1913 Range (in code): TR IR Elb Mz 33 65 65B 65Bo 65Bx 65D **65Df** 65Fz 65K 65Kd 65N 65Nr2 65Nm

(see also: Kemal & Koçak, 2015a).

56. *Streyella anguinella* (Herrich-Schäffer,1861)

Synonym(s): *anguinella* Herrich-Schäffer,1861; *ostentella* Zerny,1934. Range (in code): DZ ES HV SS GR TR LB IQ RU Sr Ur 13 46 56 65 70 13A 13Ab 13Ax 56F 56Fb 65A 65Ai 65D **65Df** 65F 65Fp 65Fz 70C 70Cf.

Material studied: 6♂♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

Geometridae**57. *Aplocera annexata* (Freyer,[1830])**

Synonym(s): *annexata* Freyer,[1830]; *boisduvaliata* Duponchel,1831 Range (in code): GR UA TR Cc Arr GG Smt Akh AM IR 05 06 13 14 16 18 24 25 33 36 38 42 46 51 58 60 61 65 69 76 80 05A 13G 13Gü 13Gs 13Gw 16A 18F 25A 38K 42B 46Fb 58N 65D **65Df** 65Dg 65Dga 65F 65Fb 65Fp 65Fz 65K 65Kb 65Kz 65Kg 65N 65Np2 65Nr4 65Nm 80B 80Bc

58. *Aplocera plagiata* (Linnaeus,1758)

Synonym(s): *plagiata* Linnaeus,1758; *duplicata* Fabricius,1775; *terlineata* Goeze,1781; *triplicata* Geoffroy,1785; *plagiaria* Boisduval,1840; *scotica* Richardson,1952 Range (in code): DZ Lbs PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG AZ AM Nv IQ R wz IR Ab Oru Fa Sse Com Kz Gls Kh CY DK NO SE FI EE LV LT RU Krl MD UA BY CN Ui Ju Kön IL Pa Js He LB Bsa 01 05 06 13 14 16 17 18 22 23 24 29 30 31 33 34 35 38 39 42 44 45 46 56 58 60 61 62 65 71 75 80 81 01H 05A 05G 06R 06Rb 13A 13Ab 13Ax 13G 13Gü 13Gw 13Gs 16A 18F 31D 31F 42B 44E 44Eh 46G 46Gi 56F 58N 60H 60Hb 61K 65A 65Aa 65Am 65Am1 65Am4 65An 65Ai 65As 65D **65Df** 65F 65Fg 65Fp 65Fz 65K 65Kb 65Kl 65N 65Nc 65Nc4 65Np 65Np1 65Nr4 65Nm 75F 75Fb 80B 80Bc

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 1 9 2016, A. Koçak leg.

59. *Catarhoe permixtaria* (Guenée,[1858])

Synonym(s): *#permixtaria* Herrich-Schäffer,1851; *permixtaria* Guenée,[1858] Range (in code): IT RO YU MK BG GR TR LB AZ Nv Cc Kir Ord Tbl GG AM IR Gls TM Kp IL Pa Car Js JO 05 06 13 14 16 17 30 31 42 46 56 65 71 05A 13F 13G 13Gg 16A 30B 30Bd 30Bc1 30Bx 31M 42B 56F 65A 65An 65At5 65Ai 65B 65Bo 65Bx 65D **65Df** 65Dg 65Dga 65Dh 65F 65Fr 65Fm 65Fp 65Fz 65H 65Hg 65K 65Kl 65Kd 65Kg 65N 65Np8 65Nm

60. *Chesistege korbi* (Bohatsch,1910) Fig. 16

Synonym(s): *korbi* Bohatsch,1910 Range (in code): TR JO IQ TM Kp Cc AM 06 13 24 31 46 56 58 65 71 76 13G 13Gö 13Gğ 56F 56Fa 56Fb 56Fc 56Fç 56Fj 56Fw 58N 65A 65Am 65Am4 65D **65Df** 65F 65Fp 65Fz 65N 65Nb 76C 76D 76Dj

61. *Docirava munda* (Staudinger,1892)

Synonym(s): *munda* Staudinger,1892 Range (in code): TR LB Bei 01 05 13 38 42 44 46 56 58 65 66 01H 05A 13A 13Ab 13Ax 38H 38Hc 42B 44E 44Eh 44O 44Ob 46G 46Gf 56F 56Fc 56Fq 56Fs 65D **65Df** 65F 65Fp 65Fq 65Fz 65N 65Np1 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 1 9 2016, A. Koçak leg.

62. *Dyscia (Calodyscia) innocentaria* (Christoph,1885)

Synonym(s): *innocentaria* Christoph,1885; *sicanaria* Oberthür,1923; *sicula* Reisser,1940; *#innocentana* Pugaev & Zolotuhin,2006; *#hazroa* Koçak & Kemal,2015 Range (in code): Co Sa Si IT YU HV AL MK BG GR RU MD UA Cm TR IQ Ama Shq IR Gls Kh TM JO Amm IL Pa Js SY Dms CY Cc Da GG Bjo Lag AZ Kir AM Eri AF KG 01 05 06 07 13 14 16 17 18 20 21 25 34 35 36 38 42 44 45 46 47 50 56 65 71 13A 13Ab 13Ax 21L 21Lc 56F 65A 65Ai 65Am 65Am1 65Am3 65Am4 65D **65Df** 65F 65N 65Np 65Np7 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 1 9 2016, A. Koçak leg.

63. *Euphyia frustata* (Treitschke,1828) Figs. 17, 53-55

Synonym(s): *frustata* Treitschke,1828; *muscosata* Donzel,1837 Range (in code): MA DZ PT ES FR Co Sa Si IT BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Kir AZ AM IQ LB Bsa 05 42 46 60 61 65 05A 42B 46G 46Gi 46F 65A 65Am 65Am1 65Am4 65D **65Df** 65Fz. Prep. no: GP2353♂

Material studied: 44♂♀, Van Pr., Çatak, Saklıvadi 2030m, 12 7 2016, M. Kemal & A. Koçak leg.

64. *Eupithecia denticulata* (Treitschke,1828)

Synonym(s): *denticulata* Treitschke,1828 Range (in code): ES FR DE CH SK HU RO BG TR Cc GG Bjo AM 04 06 25 31 42 58 65 66 75 76 04D 06E 06Ea 06R 06Rb 58N 65D **65Df** 65Fz 66P 75F 75Fd 76C

This species is new for the fauna of Van Province.

65. *Eupithecia gueneata* Millière,1862 Fig. 18

Synonym(s): *gueneata* Millière,1862; *busambraria* Ragusa,1889 Range (in code): MA ES FR Si IT CH AT PL CZ SK HU RO YU AL GR TR Cc AZ Lag TM Kp IR AM 04 30 65 30B 30Bd 30Bx 30D 30De 65A 65Ai 65Am 65Am4 65B 65Bo 65Bx 65D **65Df** 65F 65Fp 65Fz

66. *Eupithecia limbata* Staudinger,1879

Synonym(s): *limbata* Staudinger,1879; *irritaria* Staudinger,1892; *kueppersi* Vojnits,1973 Range (in code): PT ES An IT SS MK BG GR Cr TR Ksp IQ AM Nv Cc AZ LB IR 05 13 25 30 42 65 76 05A 13A 13Ab 13Ax 42B 65D **65Df** 65Fz 76C

67. *Eupithecia oblongata* (Thunberg,1784) Fig. 19

Synonym(s): *#centaureata* [Denis & Schiffmüller],1775; *oblongata* Thunberg,1784; *boloniensis* Fourcroy,1875; *centralisata* Staudinger,1892; *chinae* Vojnits,1977. Range (in code): MA DZ Ges TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG Tbl Kir Lag AM AZ DK NO SE FI EE LV LT RU Da Us MD UA BY KG Ssn Tk CN Ui Ku Stg Kwa IL Pa Car Jf LB Bsa PK Ch IN Ld Gg KK Ax UZ Smk AF Nu Bd TW 01 05 06 14 16 17 34 42 46 52 55 56 58 65 71 01D 05A 06K 06Kc 16A 34H 36D 36Db 42B 42J 42X 42Xa 52G 52Gb 55F 56F 56Fv 58N 65D **65Df** 65Dg 65Dga 65F 65Fç 65Fz 65L 65Lb 65N 65Np1 65Np6 65Nm

68. *Glossotrophia (s.str.) diffinaria* L.B.Prout,1913

Synonym(s): *luridata* Staudinger,1871 *nec* Zell.; *diffinaria* L.B.Prout,1913 Range (in code): GR Rd TR Cc AM 08 24 42 46 50 58 65 68 42B 46G 46Gi 50G 50F 58G 65A 65Am 65Am1 65Am4 65D **65Df** 68B

69. *Gnophos (Dicrognophos) gorgatus* Brandt, 1938 Figs. 56-58

Synonym(s): *gorgata* Brandt, 1938 Range (in code): TR IR Kd Fa Sse Com Kz 30 65 65A 65Ai 65Am 65Am1 65Am3 65Am4 65At 65At5 65Ac 65Ac3 65D 65Dh 65Dg 65Dga 65Df 65Fz. Prep. no: GP2403♂

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 12 7 2016, M. Kemal & A. Koçak leg.

70. *Heliomata glarearia* (Brahm, 1791)

Synonym(s): *#glarearia* [Denis & Schiffermüller], 1775; *glarearia* Brahm, 1791. Range (in code): FR Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM IR GLs RU MD UA BY CN Ui Ku 01 05 06 13 14 16 29 30 36 37 39 43 49 56 60 65 71 75 76 01L 05A 06R 06Rd 13Gö 13Gg 16A 30D 30Dx 36D 36Db 37F 49F 49Fb 56F 56Fw 60H 60Hb 65A 65Ac 65Ac3 65Ai 65Am 65Am1 65An 65As 65At 65At5 65D 65Dd 65Dda 65Df 65Dg 65Dl 65Dr 65Dn 65Ds 65Du 65F 65Fç 65Fr 65Fp 65Fz 75F 75Fd 76B 76Bj 76D 76Dd

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

71. *Hyposcotis (Euchrognophos) dubitaria* (Staudinger, 1892)

Synonym(s): *dubitaria* Staudinger, 1892 Range (in code): GR Cr TR LB Bsa Cc AM IR Fa Sse Com Kz 38 47 56 65 56F 56Fa 65A 65Am 65Am4 65D 65Df. Prep. no: GP2407♂

72. *Hyposcotis (Kemtroglyphos) zeitunaria* (Staudinger, 1901) Figs. 59-61

Synonym(s): *zeitunaria* Staudinger, 1901 Range (in code): TR Cr Cc AM 06 18 25 42 46 51 56 65 71 06K 06Kc 18F 25F 42B 51B 51Bc 56F 65B 65Bk 65D 65Df 65G 65K. Prep. no: GP2411♂

73. *Hyposcotis (Organognophos) wanensis* Wehrli, 1936 Figs. 62-64

Synonym(s): *wanensis* Wehrli, 1936 Range (in code): IQ TR 04 65 04D 65Bx 65D 65Df 65G 65Ge. Prep. no: GP2386♂

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 28 8 2016, M. Kemal & A. Koçak leg.

74. *Larentia clavaria* Haworth, [1809] Fig. 20, Map 11

Synonym(s): *clavaria* Haworth, [1809]; *pallidata* Staudinger, 1901 Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr Rd CY TR IQ LB DK NO SE FI EE LV LT RU Ur At MD UA Cm BY Cc GG AZ AM IL Pa Js IR Ab KG Mn Ssn UZ TJ 14 31 46 56 65 31K 31Ka 31Ka5 56F 65A 65Am 65Am4 65D 65Df

75. *Neognopharmia stevenaria* (Boisduval, 1840)

Synonym(s): *stevenaria* Boisduval, 1840; *lapidisaria* Freyer, 1841 Range (in code): PT ES Mu FR IT RO YU MK AL BG GR Cr TR AZ Cc AM GG IQ IR Fa Sse Com Kz RU Sr IL Pa Car Hf LB Bsa CY 01 05 06 08 13 14 16 17 21 22 30 31 36 42 44 46 56 61 65 01B 01H 05A 08H 08Ha 13G 13Gw 13Gs 13Gy 16A 21N 21Nc 30B 30Bd 30Bc1 30Bx 30D 30Dx 36D 36Db 42B 44I 44Ic 46G 46Gf 56F 56Fn 61K 65A 65Ai 65D 65Df 65Dl 65Dlc 65F 65Fp 65Fz

76. *Nychiodes (Eunychiodes) divergaria* (Staudinger, 1892) Figs. 21, 65

Synonym(s): *divergaria* Staudinger, 1892 Range (in code): TR LB Bei Bsa IL Pa Js RU Da Cc IR Elb IQ Brs Ry Rwx Dia 13 21 24 31 44 46 47 65 80 13G 13Gy 31M 46G 46Gi 65A 65Am1 65D 65Df 65Fz 80B 80Bb. Prep. no: GP2352♂

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 3♂ 12 7, 7♂ 25 7 2016, M. Kemal & A. Koçak leg.

77. *Odontognophos zacharius* (Staudinger, 1879) Figs. 66-68

Synonym(s): *zacharia* Staudinger, 1879 Range (in code): Cr TR Cc RU Da 01 05 14 31 42 46 51 65 71 01H 05A 31M 42B 51B 51Bc 65A 65Ai 65D 65Df. Prep. no: GP2416♂

78. *Perizoma flavofasciata* (Thunberg, 1792) Map 12

Synonym(s): *flavofasciata* Thunberg, 1792; *decolorata* Thunberg, [1799] nec Viller, 1789. Range (in code): PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR DK NO SE FI EE LV LT RU MD UA BY 06 16 65 16A 65D 65Df

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 25 7 2016, M. Kemal & A. Koçak leg.

This rare species is new for the fauna of Van Province.

79. *Rhodometra sacraria* (Linnaeus, 1767) Map 13

Synonym(s): *sacraria* Linnaeus, 1767; *labda* Cramer, 1777; *sacralis* Thunberg, 1784; *fulvaria* Fabricius, 1794; *sanguinaria* Esper, 1801; *minervae* Gistel, 1856; *labdaria* Guenée, [1858]; Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT CZ SK HU RO YU AL BG GR Cr Rd TR IL Pa Car Jf Js Hf LB Bsa CY IQ Agh TH IR Shr Fa Sse Ahz DK NO SE EE LV RU MD UA BY AF Ca PK Bl Cp Qu ZA ZA04 ZA05 ZA06 ZA27 Kzu Nta Lpo Tva Sph Mdk SH MG MN CN Mre Cp Haz Cls Cn Md Az IN AZ Nv AM Cm SY Hal YE Bea Clo Orn Ges MM ZW TM NA AE CL 01 05 06 07 09 13 16 17 22 27 31 33 34 42 44 45 46 48 51 52 56 58 59 63 65 01B 01D 01G 01H 01J 05A 09K 09Ka 13A 13Ac 13Ax 16A 31K 31Ka 33A 33Aa 33G 33R 44L 44Lc 48L 52G 52Gb 56F 56Fa 56Fi 58N 63D 65A 65Ai 65Am2 65Am4 65Am 65D 65Df 65G 65Gn 65Go 65F 65Fp 65Fz 65K 65Kl 65Kr 65N 65Np 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 25 7, 2♂ 23 8, 2♂ 23 8 2016, M. Kemal & A. Koçak leg.

80. *Rhodostrophia (Asiatrophia) auctata* (Staudinger, 1879)

Synonym(s): *auctata* Staudinger, 1879 Range (in code): TR Cc Arr Ksp IQ IR Fa Com Kz 01 05 06 12 13 24 25 29 38 42 43 44 46 49 50 51 56 57 58 61 62 65 69 70 71 76 01D 05A 06R 06Rd 12A 12Ab 13A 13Ab 13Ax 25N 25Na 44E 44Eb 44I 44Ic 44L 44Lc 46G

46Gi 50F 50Fb 51D 51Db 56F 56Fs 58N 61K 65A 65Ac 65Ac3 65An 65Am 65Am1 65Bx 65D 65Df 65F 65Fg 65Fi 65Fq 65Fz 65G 65Ge 65K 65Kl 65N 65Np 65Np2 65Np4 65Np8 65Nr2 65Nr4 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 21♂♀ 25 7, 10♂ 23 8, 5♂ 28 8, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

81. *Rhodostrophia cuprinaria* (Christoph,1876) Map 14

Synonym(s): *cuprinaria* Christoph,1876; *phaenicearia* Hampson,1907. Range (in code): TR IR Elb Srd Cc GG Fa Zj AZ Nv AF 36 56 65 36D 36Db 56F 65A 65Ac 65Ac3 65D 65Df 65F 65Fp 65Fz

Material studied: 1♀, Van Pr., Çatak, Saklıvadi 2030m, 23 8 2016, M. Kemal & A. Koçak leg.

82. *Scopula beckeraria* (Lederer,1853)

Synonym(s): *beckeraria* Lederer,1853; *pseudoafghana* Ebert,1965 Range (in code): IT RO SS MK BG GR TR AZ Nv Kir RU Da Sj GG Cc IL Pa He LB Bsa UZ Fe CN Ui Ku MN IR Fa Sse Com Kz Shr Ahz Ke AF Bm KG MN CN 01 04 05 06 07 13 14 24 25 27 30 36 42 47 51 56 58 63 65 71 72 01H 05A 06K 06Kc 06R 06Rd 13A 13Ab 13Ax 42B 51B 51Bc 56F 58N 65D 65Df 65F 65Fp 65Fz 65M 65Md 65N 65Np1 65Nm

Material studied: 21♂♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

83. *Scopula decorata* ([Denis & Schiffermüller],1775)

Synonym(s): *decorata* [Denis & Schiffermüller],1775; *cinerata* Fabricius,1781; *violata* Thunberg,1784; *caerulata* Gmelin,1790; *decoraria* Hübner,[1799]; *ornataria* Esper,[1806]; *armeniaca* Thierry-Mieg,1916 Range (in code): MA DZ Ges TN PT ES Mu FR Co Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Cc AZ Arr Ksp IR Elb Mz DK SE FI EE LV LT RU MD UA BY CN MN KK KG 03 05 06 13 14 16 29 30 38 39 42 43 44 45 46 51 58 60 61 65 71 76 80 05A 06B 06R 06Rb 13B 13Bg 13Gw 16A 38H 38Hc 42B 44L 44Lc 58N 58M 60G 61K 65A 65Ac 65Ac3 65Am 65Am1 65Am4 65At 65At5 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65Dh 65F 65Fp 65Fr 65Fz 65K 65Kb 65N 65Np 65Np2 65Nm

84. *Scopula immistaria* (Herrich-Schäffer,[1852]) Fig. 22

Synonym(s): *elisabetharia* Heydenreich,1851; *immistaria* Herrich-Schäffer,[1852] Range (in code): BG Vrn TR Cc AZ Kir GG Ksp IQ IR Fa Sse Com Ke Kz TM RU UA 06 08 13 23 24 25 30 46 47 56 58 65 72 76 08H 13A 13Ab 13Ax 13B 13G 13Gf 46G 47D 56F 56F5 56Fg 56Fm 56Fp 56Fo 56Fs 56Fv 56Fw 56Fx 56Fi 58N 65A 65Ai 65An 65Am 65Am1 65At 65At5 65B 65Bo 65Bx 65D 65Df 65Dg 65Dga 65Dh 65F 65Fm 65Fz 65H 65K 65Kb 65Kl 65N 65Np1 65Nr7 65Nm 72E 72Eh

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 9♂ 12 7, 2♂ 25 7, 6♂ 28 8, 3♂ 1 9 2016, M. Kemal & A. Koçak leg.

85. *Scopula incanata* (Linnaeus,1758) Map 15

Synonym(s): *incanata* Linnaeus,1758; *variegata* Scopoli,1763; *mediata* Fabricius,1777; *planata* Villers,1789; *incanaria* Hübner,[1825]; *mutata* Treitschke,1828; *mutataria* Duponchel,1830; *adjunctaria* Boisduval,1840; *demutaria* Bruand,1846 Range (in code): DZ Sbd Clo PT ES Mu FR Si IT BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM Ksp Arr DK NO SE FI EE LV LT RU MD UA Cm BY IR KG At Sb Ya MN 05 08 16 25 29 30 36 53 61 65 76 05A 16A 61K 65A 65At 65At5 65D 65Df 65F 65Fp 65Fw 65Fz

86. *Scopula orientalis* (Alpheraky,1876)

Synonym(s): *orientalis* Alpheraky,1876; *#magna* L.B.Prout,1913; *#orientata* Wardikyan,1970 Range (in code): MK BG TR RU Ro Ur Tgn Cc AM GG IR Fa Com Kz UA Cm 08 13 25 29 36 50 58 65 08H 08Hb 13A 13Ab 13Ax 25F 36F 50G 50Gd 65D 65Df 65F 65Fp 65Fz

87. *Scopula ornata* (Scopoli,1763)

Synonym(s): *ornata* Scopoli,1763; *instilata* Hufnagel,1767; *paludata* Linnaeus,1767; *institata* Rottemburg,1777; *interrupta* Goeze,1781; *intersecta* Fourcroy,1785. Range (in code): MA DZ Ges Lbs Clo TN PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG AZ AM Nv IQ DK SE FI EE LV LT RU MD UA BY CN Ui Kun AF Ca PK Bl Qu Haz Mre 01 05 06 07 09 11 13 14 16 17 18 22 29 34 39 52 59 61 65 76 77 81 01M 05A 06R 06Rd 13G 13Gs 13Gw 16A 18F 52A 52G 52Gb 61K 65A 65Ai 65Am 65Am1 65Am4 65Au 65At 65At5 65D 65Df 65F 65Fd 65Fr 65Fz 65G 65Go 65Gs 65N 65Np1 65Nm 76D

88. *Scopula rubiginata* (Hufnagel,1767) Map 16

Synonym(s): *rubiginata* Hufnagel,1767; *rubricata* [Denis & Schiffermüller],1775; *vittata* Thunberg,1784; *domialla* Fourcroy,1785; *variata* Villers,1789; *#rubricaria* Hübner,[1799]; *subangularia* Herrich-Schäffer,1839 Range (in code): MA PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Tbl Cc AZ AM DK SE FI EE LV LT RU Sb MD UA BY CN Ui Ku Tek Kty IMn IR Ab MN 05 06 07 13 14 16 24 25 34 39 42 44 52 58 59 65 75 81 05A 06R 06Rd 13B 14B 14Bb 16A 52G 52Gb 58N 65A 65An 65D 65Df 65Fz 75F 75Fd

89. *Scopula transcaspica* L.B.Prout,1935

Synonym(s): *transcaspica* L.B.Prout,1935 Range (in code): Cc GG AM AZ Nv TR TM Kp Fyz Ger IR Fa Sse Com Kz Shr Lo AF PK 23 24 29 30 56 58 63 65 71 73 56F 65A 65Ai 65Am 65Am1 65At 65At5 65D 65Df 65Fz 73D 73Df 73E 73Eb

90. *Selidosema plumarium* ([Denis & Schiffermüller],1775)

Synonym(s): *#plumaria* [Denis & Schiffermüller],1775; *limbata* Rambur,1829. Range (in code): ES Si IT CH AT CZ SK HU RO YU AL GR TR FI EE RU MD UA BY IR Kh 05 14 46 56 58 65 70 81 05A 14I 14Ib 56F 56Fz 58G 58Gg 65A 65Am 65Am4 65D 65Df 65F 65Fp 65Fz 70C 70Cb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 28 8, 5♂ 1 9 2016, A. Koçak leg.

91. *Thalera fimbrialis* (Scopoli,1763)

Synonym(s): *fimbrialis* Scopoli,1763; *thymiararia* Linnaeus,1767; *bupleuraria* [Denis & Schiffermüller],1775; *albaria* Esper,[1801]; *magnata* Fuchs,1903; *obsoleta* Skala,1913; *major* Warnecke,1930; *ochracea* Kolossow,1936; *approximata* Lempke,1949; *tangens* Lempke,1949; *fasciata* Hartweg,1951 Range (in code): PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ AM GG Lag Kir Hkd Cc DK NO SE FI EE LV LT RU MD UA BY KK Ik Ax CN Ui Kun Au IR Elb Th Fa Com Kz 05 13 16 17 22 30 31 33 34 41 42 46 51 56 58 62 65 75 81 05A 13A 13Ab 13Ax 13D 13G 13Gy 16A 31K 31Ka 31Ka5 42B 56F 58N 65A 65Ai 65Am 65Am1 65B 65Bo 65Bx 65D 65Dc 65Dc1 65Df 65F 65Fb 65Fd 65Fg 65Fz 65N 65Nr2 65Nm

92. *Thetidia persica* Hausmann,1996 Fig. 23

Synonym(s): *persica* Hausmann,1996 Range (in code): IR Elb Mz Ak Ab TR 13 30 46 58 65 13A 13Ab 13Ax 13G 13Gü 13Gw 30B 30Bd 30Bc1 30Bx 65A 65Am 65Am1 65B 65Bo 65Bx 65D 65Df 65Dh 65Dg 65Dga 65F 65Fg 65Fp 65Fz 65N 65Np 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 7♂♀ 12 7 2016, M. Kemal & A. Koçak leg.

Hepialidae

93. *Triodia amasina* (Herrich-Schäffer,[1851]) Map 17

Synonym(s): *amasina* Herrich-Schäffer,[1851] Range (in code): IT HU RO YU AL BG GR TR RU MD UA BY 05 06 10 12 23 26 42 45 46 63 65 70 71 05A 12A 12Ab 23C 42B 65D 65Df 65F 65Fq 65K 65Ku 65Kd 65Kg 65N 65Np7 65Nm 70C 70Ca 70Cg 71C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 5♂ 1 9 2016, M. Kemal & A. Koçak leg.

Lasiocampidae

94. *Lasiocampa eversmanni* (Kindermann,1843) Fig. 24

Synonym(s): *eversmanni* Kindermann,1843; *eversmanni* Freyer,1844; *attrita* Stshetkin,1960. Range (in code): BG TR AF Srb Sfk IR Mz Kh TM Kp UZ TJ KK Ik KG TrA Aa DsA Tar IQ Brs Dia Ry Rwz JO Amm GG AZ Kir Tbl Bak AM Cc RU Ao 01 04 06 07 13 19 21 23 25 30 36 44 46 50 56 58 62 63 65 70 71 73 01L 01La 04D 04Da 06D 06Da 06N 06Ne 06R 07C 13A 13Ab 13Ax 13C 13Cf 13F 19P 21N 21Nb 23I 30B 30Bh 30Bg 30D 30Dh 44I 44Ic 56A 56Aa 56F 58N 63M 65A 65Am 65Am4 65Ai 65B 65Bn 65Bn1 65D 65Df 65Dt 65F 65Fi 65Fg 65Fp 65Fz 65G 65Ge 65Gc 65K 65Kd 65Kg 65Ku 65N 65Ne 65Np 65Np2 65Np7 65Np8 65Nm 73D 73Db

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 28 8, 2♂ 1 9 2016, M. Kemal & A. Koçak leg.

95. *Malacosoma castrensis* (Linnaeus,1758)

Synonym(s): *castrensis* Linnaeus,1758; *ksiezopolskii* Sheljuzhko,1943 Range (in code): PT ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA Cm BY LB Bsa KK Ik UZ TJ KK KG TrA DsA KuA TeA Ik Ssn Lps Tar GG Mng Bjo Smt Lag Kir AZ AM Cc TM Kp IR AF MN CN Ti 04 05 06 12 13 14 16 23 24 25 30 33 35 36 38 42 44 53 56 58 60 65 71 76 04I 05A 06A 06Aa 06R 06Rb 06Re 13A 13Ab 13Ac 13Ae 13Ax 13F 13G 13Gd 13Gi 13Gy 16A 23I 25C 25Ca 25F 25T 30B 30Ba 30Bl 30D 30Da 30Dd 30F 42R 44L 44Lc 49E 49Ea 55F 56F 56Fs 58G 58Ia 58N 60C 65D 65Df 65F 65Fe 65Fg 65Fp 65Fz 66P 75F 75Fb 76C 65F 65Fd 65Fe 65Fg 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Nr2 65Nm 76B 76Bf 76Bh 76C

Lymantriidae

96. *Euproctis chrysorrhoea* (Linnaeus,1758)

Synonym(s): *chrysorrhoea* Linnaeus,1758; *phaeorrhoeus* Haworth,1803; *xanthorrhoea* Oberthür,1916 *nec* Koll.,[1844] Range (in code): DZ Clo Blid Khh TN DhM PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag Mng DK SE EE LV LT RU MD UA Lvv BY 04 05 06 08 12 13 14 16 19 24 25 36 38 42 46 49 50 55 56 58 60 65 66 71 75 76 04D 04Da 05A 06R 06Ra 06Rb 08H 08Hc 12A 12Ab 12Af 12Aa 12C 12E 12Ec 13A 13Ab 13Ax 13G 13Gy 13F 16A 19C 24G 25A 25C 25Ca 25T 25F 36D 36Db 36F 38C 38Cb 49E 49Ea 55F 56F 56Fs 58G 58Ia 58N 60C 65D 65Df 65F 65Fe 65Fg 65Fp 65Fz 66P 75F 75Fb 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

97. *Polymona lapidicola* (Herrich-Schäffer,[1852]) Fig. 25

Synonym(s): *lapidicola* Herrich-Schäffer,[1852] Range (in code): Sa TR Cc AM AZ Kir SY CY IQ Rwz LB Bsa IL Pa Hf JO 01 05 06 07 14 19 21 23 30 33 35 36 42 44 46 47 48 50 56 63 65 71 73 01H 05A 07B 07Bh 07C 14I 19P 21L 23I 30D 30Dx 33P 36D 36Db 42B 44E 44Eh 44F 44Fa 44L 44Lc 46G 46Gf 46Gi 48D 50G 56E 56Eb 56F 56Fb 56Fo 63M 65A 65Am 65Am4 65Ac 65Ac3 65D 65Df 65Dv 65Fz 65K 65Kb 71B 73A 73Ab 73D 73Da 73Df 73Dfc 73E 73Eb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 25 7, 4♂ 23 8, 3♂ 28 8, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

Noctuidae

98. *Abrostola clarissa* (Staudinger,1900)

Synonym(s): *clarissa* Staudinger,1900 Range (in code): TR IL Js Pa LB Bsa IQ Dk Ama IR Elb Ab Oru Khy Ak Aha Kdj Th Se Kh Es By Mz Dam Kdj Fa SY RU Cc Ich Ing Da AF TM 04 05 06 08 13 18 24 25 30 31 33 36 47 50 51 58 62 65 66 05A 06R 06Re 08C 08H 13B 30D 30Da 31M 36D 36F 51B 51Ba 65A 65Am 65Am4 65D 65Df 65F 65Fa

99. *Acontia (Uracontia) titania* (Esper,[1798]) Fig. 26

Synonym(s): *titania* Esper,[1798]; *urania* Frivaldsky,1835; *eversmanni* Kolenati,1846. Range (in code): Si? RO RU Ro Da YU BG GR TR AZ Kir Nv Ord Cc GG Lag AM IR Fa Ab Mak Elb Th Kaz Mia Kh Msh IQ TM UZ N-A LB Bei IL Pa Sa 01 02 05 08

13 16 17 24 30 33 36 42 44 46 50 56 58 60 62 65 73 05A 30B 30Bc 30Bc1 30Bx 30D 30Dx 33E 44L 44Lc 46G 46Gf 56F 65A 65Am 65Am4 65Ac 65Ac3 65D 65Df 65Dl 65Dlc 65F 65Fa 65Fç 65Fp 65Fz 65N 65Np 65Np6 65Nm

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

100. *Aedophron phlebophora* Lederer, 1858 Fig. 27

Synonym(s): *phlebophora* Lederer, 1858; *monotonia* Amsel, 1935 Range (in code): TR Cc AZ Nv Ord SY Dms IR Fa Shr Kz Yas Es Zj Elb Th Kdj Ab Oru Kd Snj Bne Lo GlS Kh IQ TIH IL Pa RU St Da 05 06 12 13 18 25 30 33 36 42 45 46 47 49 50 51 56 58 65 66 70 71 73 05A 13G 13Gg 30D 30Da 36D 36Db 42J 42X 42Xa 49F 56F 58N 65B 65Bo 65Bx 65D 65Df 65F 65Fa 65F 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kg 65N 65Nr2 65Nm 70C 70Cf 73C 73Cd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 3♂ 12 7 2016, M. Kemal & A. Koçak leg.

101. *Aedophron rhodites* (Eversmann, 1851) Fig. 28, Map 18

Synonym(s): *rhodites* Eversmann, 1851; *aurorina* Herrich-Schäffer, [1852]. Range (in code): RO BG GR TR RU Ro St Ich Da Der Kyi AM GG Cc IR Gor Kh 05 06 18 25 36 42 50 51 58 60 62 65 66 71 05A 06K 06Kc 36D 58G 58N 65D 65Df 65Fz

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

102. *Agrochola (Alpichola) janhillmanni* Hacker & Moberg, 1989

Synonym(s): *janhillmanni* Hacker & Moberg, 1989 Range (in code): TR Cc AM 04 08 12 13 25 36 49 62 65 69 73 75 04D 04Da 04I 12E 13C 13Cf 25D 25F 36F 49E 49Ea 49F 49Fe 62G 65A 65Am 65Am4 65Bx 65G 65D 65Df 65Ge 69B 69Ba 73C 73Cd 75D

103. *Agrotis (Crassagrotis) obesa* (Boisduval, 1829)

Synonym(s): *obesa* Boisduval, 1840 Range (in code): MA DZ Ges BtNa Lbs Sbd Tlm Abe Afl LY MT PT ES FR IT MK BG GR RO MD UA Cm TR RU Ro Kr St Da IQ Brs AZ Kir GG Tbl Cc AM SY IR Gh Elb Th UZ Fe KK Osh KG TM CN LB IL Pa JO 01 03 04 06 08 13 18 20 23 25 26 30 36 44 46 50 56 58 62 63 65 71 73 01L 01La 03F 04D 04Da 06C 06Cb 06D 06Da 06R 06Rb 06Rq 06Y 06Yb 08H 08Hb 13C 13D 13Da 18F 25R 25Rb 26K 30B 30Be 30Bh 30D 30Bj1 36D 36Db 44E 44Eh 46K 46Ka 50G 50Ga 50Gd 56F 58G 58Gi 58R 63E 65A 65Am 65Am4 65D 65Df 65F 65Fa 65Fm 65G 65Gj 65K 65N 65Nc 65Nç 65Np 65Np1 65Np2 65Np7 65Nm 65Kg 65Kd 65Ku 70A 70Ac 73C 73Cd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 11♂♀ 1 9 2016, A. Koçak leg.

104. *Agrotis (s.str.) ipsilon* (Hufnagel, 1766)

Synonym(s): *ipsilon* Hufnagel, 1766; *suffusa* [Denis & Schiffermüller], 1775; *idonea* Cramer, [1780]; *spinula* Esper, [1786]; *spinifera* Villers, 1789. Range (in code): PT MR MA DZ TN LY ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV LT RU MD UA BY IR Fa Lo Kh IQ Agh Amr kut MN PK Bl Qu AF Kab Gbh Srb Arh LB Bsa SY IL Pa JO Sn EG IN Up Bhi Nnt Kil Za Tva Lpo Spb Mdk Lvv Hu Rd Hf Nwf AU NC FJ NZ HW EA Th Elb Mz Dam Hz GG Smt Bjo Lag Len AZ AM Cc UZ KK KG TJ TM Ro Kr St Kc Kb Nt Ich Ing Da Kyi ET ET24 Rw Thu LK Pdy Dck Pdn Ab Oru GlS Kh Ges Ah Sbd BtNa Bsk Orn BSA Abe DhM Afl Onç Ah Ajj Idl Ath 01 03 05 06 07 08 11 13 14 15 16 18 20 21 25 27 29 30 31 32 33 35 36 37 42 44 46 47 48 49 50 51 56 57 58 62 63 65 67 69 71 80 01D 05A 06R 06Rb 08H 08Hb 11E 13A 13Ab 13Ax 13B 13G 13Gg 13Gf 13Gs 13Gw 14B 14Bb 16A 18F 21N 21Nh 25A 25R 27B 29F 30D 30Df 30Dx 31K 31Ka 33E 33H 36F 36Fb 42R 42Rc 44L 44Lc 46K 47E 48L 49F 49Fb 50G 50Gd 51B 51Ba 51D 51Da 56F 56Fa 56Fo 58G 58N 63D 63M 65A 65Ai 65An 65D 65Dh 65Df 65Dl 65Dlc 65Ds 65E 65Eb 65F 65Fa 65Fb 65Fd 65Fg 65Fi 65Fr 65Fp 65Fz 65Fu 65K 65Kl 65N 65Nc 65Np 65Nm 65L 65Lb 69B 80E 80Ea

105. *Agrotis (s.str.) lata* Treitschke, 1835

Synonym(s): *lata* Treitschke, 1835; *dirempta* Staudinger, 1859; *sabura* Mabille, 1888; *fulva* Turati, 1922; *castellana* Fernandez, 1929; *afflouensis* Corti, 1932 Range (in code): MA DZ TN LY EG PT ES Sa Si MT TR SY IL Pa 13 65 13A 13Ab 13Ax 65D 65Df 65N 65Np 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 1 9 2016, A. Koçak leg.

106. *Agrotis (s.str.) segetum* ([Denis & Schiffermüller], 1775)

Synonym(s): *segetum* [Denis & Schiffermüller], 1775; *sordida* [Denis & Schiffermüller], 1775; *undulatus* Goeze, 1781 (praeocc.); *nigricornis* Villers, 1789; *segetis* Fabricius, 1794; *catenatus* Haworth, 1803; *monileus* Haworth, 1803; *pectinatus* Haworth, 1803; *connexus* Haworth, 1803; *subatratus* Haworth, 1803; *nigricornutus* Haworth, 1803; *praecox* Hübner, [1808]; *fervida* Hübner, [1824]; *affinis* Stephens, 1829; *sicula* Boisduval, 1840; *dimidia* Zeller, 1847; *sicania* Guenée, 1852; *marginalis* Walker, 1857; *aversa* Walker, 1857; *correctus* Walker, 1857; *obliviosus* Walker, 1857; *denticulosus* Wallengren, 1860; *certificata* Walker, 1865; *conspurecatus* Walker, 1865; *repulsus* Walker, 1865; *ingratus* Butler, 1878; *pallidus* Staudinger, 1881; *lassa* Swinhoe, 1886. Range (in code): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY CY IR Fa Lo Ss Kh Ha Mz IQ MN CN Ui Ku PK Bl Qu AF Hr Srb Gbh Blh Arh Fz ZW Har ZA Mpu Brb Gau Pre Jh Tva Lpo Spb Mdk Nta Kzu LB Bsa IL Hf Pa SY JO Sn Tkr Agh Bgd Mj Up Bhi Nnt Kil Kml Gh Th Ab Oru Kz Hz GlS UZ KK KG TJ TM Cc Ro Kr St Kc Kb Nt Ing Ich Da Kyi ET ET24 Mre Cp Thu Rw LK Pdy Smt Tbl Bjo Kir Kus IN Hp Sml Haz Cte Mh Nsk Ges Afl BSA Khh Ktr BtNa DhM Abe Lbs Agi Bsk Bdj Lgt Ah Sbd Ess Mzg Hrh Dzc Clo Ah Ajj Idl Lvv 01 05 06 07 11 13 14 15 16 18 21 24 25 27 30 31 32 33 35 36 37 38 42 44 46 49 50 51 56 57 58 60 62 63 65 67 71 80 01D 05A 06R 06Ra 06Rq 06Y 06Yb 07A 07C 11E 13A 13Ab 13Ax 13C 13Cf 13G 13Gü 13Gy 13Gw 13Gs 15F 16A 18F 21N 21Nh 25D 27B 30D 30Db 30Du 30Dx 31K 31Ka 31Ka3 31L 31La 33E 33H 35O 36D 36Db 36F 36Fb 38C 38Cb 44L 44Lc 49F 49Fb 50G 50Ga 50Gd 51B 51Ba 56F 56Fa 58G 58Gh 62G 62Gb 63D 63E 65A 65Ai 65An 65Am 65Am2 65B 65Bn 65Bn1 65D 65Df 65Dg 65Dh 65Dn 65Du 65F 65Fa 65Fd 65Fg 65Fi 65Fj 65Fp 65Fu 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np 65Np1 65Np2 65Nm 80E 80Ea

107. *Ammonoconia anonyma* Ronkay & Varga, 1984

Synonym(s): *anonyma* Ronkay & Varga, 1984 Range (in code): TR Cc AM IR Elb Gh Th Kdv 25 30 65 25F 30B 30Bd 30Bx 30D 30Di 65B 65Ba 65D 65Df 65F 65Fg 65Fp

108. *Amphipyra (s.str.) micans* Lederer, 1857 Map 19

Synonym(s): *micans* Lederer, 1857; *frivaldskyi* Mocsaý, 1896 Range (in code): RO HU MK BG GR SY LB Bei TR Cc IR Es CY IL Pa Hf 01 05 06 08 13 24 25 30 31 33 36 42 46 51 56 58 62 65 66 01K 05A 08H 13G 13Gy 25F 30B 30Bd 30Bx 30D 30Da 30Dt 31K 31Ka 31Ka3 36F 56F 65A 65Ac 65Ac3 65D 65Df 65Dn 65Du 65F 65Fm 65I 73C 73Cd

109. *Amphipyra (s.str.) tragopoginis* (Clerck,1759)

Synonym(s): *#tragopoginis* Clerck,1759; *luciola* Hufnagel,1766; *repressus* Grote,1871 Range (in code): MA DZ ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR CY TR GG Smt Bjo Mng AZ Kir AM Cc LB IR Maz Gls Fa Lo By Yas Ke Mia Kz Kd Mrv DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Nt Ich Ing Da Sb At MD UA BY Ch IN Hp Kul CA US Pns Mss Ny Lvv 01 05 06 08 09 13 14 16 17 18 30 32 33 38 39 42 43 46 50 58 60 65 76 78 05A 06R 06Rb 13A 13B 13G 13Gg 13Gü 13Gw 16A 30D 30Dt 33E 46G 46Gi 65A 65Ab 65Aba 65D 65Dh 65Df 65F 65Fm 65Fp 65Fz 65K 65Kl 76C 78D 78Da

110. *Antitype jonis* (Lederer,1865) Map 20

Synonym(s): *jonis* Lederer,1865; *amasina* Staudinger,1901 Range (in code): IT YU AL TR LB Bsa SY Cc AZ Nv Ngm IR 04 05 06 07 08 25 30 33 36 38 44 45 46 50 58 62 65 69 70 05A 06E 06Ea 06R 06Rq 07B 25D 25F 30D 30Bj1 36D 36Db 38H 38Hc 50G 50Gd 58G 65A 65Am 65Am4 65D 65Df 65F 65Fp 65Fz

111. *Apamea (s.str.) ferrago* (Eversmann,1837)

Synonym(s): *ferrago* Eversmann,1837 Range (in code): LV RU St Kb Kc Nt Ich Da Ur MD UA BY TR AM Cc GG Smt Bjo Bku Kus IR Kdv Elb Th Dam Mz AF CN Ui KG Tk KK Ik Ax TrA 04 08 13 24 25 36 38 46 50 51 58 60 61 65 75 76 04I 13A 13Ab 13Ax 13G 13Gü 13Gw 25C 25Ca 25F 65A 65Ac 65Ac3 65Ab 65Aba 65Bx 65D 65Df 65G 65Ge 65Gü 65Gz 65F 65Fc 65Fz 76C

Material studied: 4♂, Van Pr., Çatak, Saklıvadi 2030m, 12 7 2016, M. Kemal & A. Koçak leg.

112. *Archana (Globia) algae* (Esper,[1789])

Synonym(s): *algae* Esper,[1789]; *cannae* Ochsenheimer,1816; *rusa* Eversmann,1847 Range (in code): ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO SS AL BG TR DK NO SE FI EE LV LT RU Cc AM Ro Sb MD UA BY 23 42 65 65D 65Df 65Fz

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

This species is new for the fauna of Van Province.

113. *Argyrospila succinea* (Esper,[1798]) Fig. 29

Synonym(s): *succinea* Esper,[1798]; *maculata* Eversmann,1842; *olivacea* A.Bang-Haas,1910 Range (in code): RU Ro St Ur Cc AM TR KK Ik CN Ui Arc IR Elb Th Cm 04 13 25 42 58 65 76 04D 04Da 04I 13G 42B 58G 58Gd 65Bx 65D 65Df 65Fz 65G 65Ge 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

114. *Bryomima defreina* Hacker,[1987]

Synonym(s): *defreina* Hacker,[1987] Range (in code): TR 30 47 56 65 73 30B 30Bd 30Bx 30Be 30Bf 30Bj 30Bj1 56F 65A 65Am 65Am1 65Am4 65D 65Df 65F 65Fp 65Fz 65Fr 73A 73Ab 73C 73Cd

115. *Calamia staudingeri* Warnecke,1941 Fig. 30

Synonym(s): *staudingeri* Warnecke,1941 Range (in code): TR IQ Cc AM RU Ich IR Fa Elb Bk Lo By Es Ha Th Mz Plr Dam Kd 01 04 13 25 30 36 38 42 51 58 65 76 01K 04C 13A 13Ab 13Ax 13B 13G 13Gü 13Gw 30D 30Dp 42B 58N 65B 65Bo 65Bx 65D 65Dd 65Df 65Dg 65Dga 65F 65Fa 65Fp 65Fz 65Fr 65G 65Ge 65K 65Kd 65Kg 65N 65Np2 65Nm 76C 76D 76Dd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 5♂ 12 7, 15♂ 25 7, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

116. *Caradrina (Boursinidrina) rjabovi* (Boursin,1936) Fig. 69

Synonym(s): *rjabovi* Boursin,1936; *pseudovicina* Boursin,1939 Range (in code): Cc AM TR IR Ak Ab Ar Fa Com Elb Th Kdj Mz Kd Ke Lo Kh 04 06 13 25 36 44 46 56 58 62 65 06R 13B 36F 36Fb 56F 56Fs 56Fs1 58G 65D 65Df 65F 65Fa 65Fm 65Fp 65Fz. Prep. no: GP2393♂

117. *Caradrina (Eremodrina) gilva* (Donzel,1837)

Synonym(s): *gilva* Donzel,1837; *molisana* Dannehl,1929 Range (in code): FR Si IT DE CH AT CZ SK HU RO SS B-H YU MK AL BG GR TR Cc IR Elb Th 04 05 06 08 12 13 24 25 29 30 38 42 46 51 58 65 73 05A 06C 06Cb 08H 13C 13Cf 30B 30Be 30Bj 30Bl 51B 51Bc 65D 65Df 65F 65Fp 65Fr 65Fz 73C 73A 73Ab 73Cd

118. *Caradrina (Eremodrina) inumbrata* (Staudinger,1900) Map 21

Synonym(s): *inumbrata* Staudinger,1900; *inumbratella* Pinker,1980 Range (in code): DZ Prr EG Sn TR IR Kh KuB Gh Elb Th Nss Lo Gh Fa Ab Ak Mz By Es Ha Cc AM Eri AZ RU Or TM Kp AF BdA 01 02 04 08 13 25 36 44 46 58 62 65 01L 02F 02Fc 13B 13G 13Gü 13Gw 36F 36Fb 44O 58G 65B 65Bx 65D 65Df 65F 65Fp 65Fz 65Fm 65G 65Ge 65Gj

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♀ 28 8 2016, A. Koçak leg.

119. *Caradrina (Platyperigea) albina* (Eversmann,1848)

Synonym(s): *albina* Eversmann,1848; *congesta* Lederer,1853; *tenera* A.Bang-Haas,1912 Range (in code): RO RU Kr St Kyi Sb Ro Ua Cm GR Cc AM TR IR Fa Kh KuB Mz Ha Dam Elb Km Th Gls CN Ui Ku Yk M-A MN PK Hu Gg AF Kab KK TeA TrA Ax T-A TJ Pm Chr UZ N-A TM Kp KG DsA Tk Sp 01 04 06 07 13 17 18 24 25 30 33 34 36 38 42 50 51 56 58 62 65 66 71 13B 13G 13Gü 13Gw 34S 36F 36Fb 38O 56F 58N 65Bx 65D 65Df 65F 65Fa 65Fp 65Fm 65G 65Ge 65N 65Nc 65Nc4 71C 71Cb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 28 8 2016, A. Koçak leg.

120. *Chersotis (s.str.) anatolica* (Draudt,1936)

Synonym(s): *anatolica* Draudt,1936; *elegantula* Boursin,1945. Range (in code): ES Mu IT GR TR Cc AZ RU Ing Da IR Fa By Bk Mz Elb Th Kdv Lo TM Kp 01 03 04 06 13 14 24 25 36 38 42 50 51 56 58 60 65 70 01L 01La 03H 06D 06Da 06Y 06Yb 13G 13Gü 13Gw 14I 38C 42B 42D 50G 50Ga 50Gd 51B 51Bc 56F 56Fs 65Bx 65D 65Df 65F 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kb 70C 70Cb 70Cf

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂1♀ 23 8, 1♂ 28 8 2016, M. Kemal & A. Koçak leg.

121. *Chersotis (s.str.) capnistis* (Lederer,[1870]) Map 22

Synonym(s): *capnistis* Lederer,[1870]; *neara* Püngeler,1902. Range (in code): GR RU Ur Or Gub TR Cc IR Zj Fa Ss Elb Th AF TM Mrw CN Ui IL Pa He 01 03 06 08 18 25 29 32 36 38 42 43 46 50 51 56 58 60 65 66 70 01L 01La 06B 06K 06Kc 06R 25T 42B 50G 50Gd 56F 56Fq 65A 65Ab 65Aba 65Bx 65D **65Df** 65F 65Fa 65Fp 65Fz 65G 65Ge 70C 70Cb

122. *Chersotis (s.str.) fimbriola* (Esper,[1798])

Synonym(s): *fimbriola* Esper,[1798] Range (in code): MA Rf ES FR Si IT CH AT SK HU RO YU AL BG GR Cr TR Cc AM Eri Geg GG AZ Nv Ord RU Ro Kb Nt Ich MD UA Cm BY IR Kh KuB Elb Kdv Dam Fa Bk By Es Ha Zj Mz Th Ab Bne Sqq Mrv Oru Sdt Lo Kd TM IQ 01 03 04 05 06 08 12 13 18 19 23 24 25 29 30 36 38 42 44 46 49 50 51 56 58 60 65 66 69 70 73 76 04D 04Da 04I 05A 06A 06AB 06Bb 06C 06Cb 06K 06Kc 06R 06Ra 06Y 06Yb 08H 08Ha 08Hb 13A 13Ab 13Ax 13B 13C 13Cf 13G 13Gf 13Gy 13Gü 13Gw 19C 23I 25C 25Ca 25F 29A 29Ab 30B 30Bd 30Bx 30Be 30Bg 30D 30Dt 36D 36Df 36F 36G 38G 38Ga 42B 42D 42O 44F 44Fa 44L 44Lb 44I 46G 49E 49Fa 50G 50Ga 56F 56Fb 56Fq 56Fs 58N 60C 65A 65Ac 65Ac3 65Ab 65Aba 65B 65Bn 65Bn1 65Bo 65Bx 65D **65Df** 65F 65Fa 65Fm 65Fp 65Fz 65G 65Ge 65N 65Np 65Np2 65Nm 66P 70C 70Cb 71C 71Cd 73C 73D 73Da 76C

Material studied: 11♂♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

123. *Chersotis (s.str.) gratissima* (Corti,1932)

Synonym(s): *gratissima* Corti,1932 Range (in code): TR Cc AM Arg Svn Geg IR Ma Es By 01 04 06 12 23 25 30 36 42 44 46 51 58 60 65 69 70 73 75 01K 04D 04Da 06A 06Aa 06C 06Cb 06E 06Ea 12C 12Ca 23I 36F 36Fb 42B 58G 65Bx 65D **65Df** 65F 65Fa 65G 65Ge 65Gj 65K 65Kd 65Kg 65N 65Np 65Nm 69B 69Ba 70C 70Cb 73C 73Cd

124. *Chersotis (s.str.) laeta* (Rebel,1904)

Synonym(s): *laeta* Rebel,1904 Range (in code): YU B-H AL GR Cr TR Cc AM Geg RU Ing Da IR Fa Bk Ha Zj Elb Th UA? Cm? LB Bsa IL Pa He 01 03 04 05 06 08 14 18 24 25 28 29 30 32 33 36 42 44 46 49 50 51 58 60 65 66 69 70 71 04D 04Da 04I 05A 06R 06Re 08H 08Hb 12C 25C 25Ca 25F 25M 25T 29A 29Ab 30B 30Bf 30D 30Da 36D 36Df 38G 38Ga 42B 42J 42X 42Xa 42M 46G 50G 50Ga 58G 58N 65A 65Ab 65Aba 65B 65Bn 65Bx 65D **65Df** 65Dg 65Dga 65F 65Fm 65Fz 65K 65Kb 65N 65Np 65Nm 70C 70Ce 71B 71Ba

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

125. *Chersotis (s.str.) semna* (Püngeler,1906)

Synonym(s): *semna* Püngeler,1906 Range (in code): TR Cc RU Ing Da IR Fa Kh Gh Ha Kd Sqq Bne Lo Ss TM Kp IQ 04 06 08 14 18 25 33 42 46 50 51 58 60 62 65 66 69 04D 04Da 06R 06Rb 06Rq 14I 62F 65Bx 65D **65Df** 65F 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kg 65N 65Np 65Np1 65Np2 65Nm

126. *Cryphia (Bryophila) maeonis* (Lederer,1865) Map 23

Synonym(s): *maeonis* Lederer,1865; *praecana* Christoph,1893; *rubellina* Staudinger,1900; *sordida* Staudinger,1900; *sabulosa* W.Warren,1909. Range (in code): DZ Bt na GR Cc AM GG Tbl Smt Bjo TR IR Fa Com Shr Elb Shh Mz Dam Kdj Nss Ab Sdt Km Kd Bne Mrv Snj Lo Kz Yas Mia IQ SY LB IL Pa CY JO AF Srb Bbh Kab Hr Pli Hk TM KG UZ Fe KK Ik Skm CN Ts Kno 01 04 05 06 08 13 16 18 24 25 27 30 35 36 42 44 45 46 50 51 56 58 60 61 62 65 66 05A 08H 08Ha 08Hb 13A 13B 13G 13Gü 13Gw 16A 30B 30Bx 30Bc1 30Bd 46G 46Gf 51B 51Ba 56F 56Fq 56F1 58G 65D **65Df** 65F 65Fa 65Fm 65Fp 65Fz 65G 65Ge 65Kp 65Kl

127. *Cryphia (Bryophila) occidentalis* (Osthelder,1933)

Synonym(s): *occidentalis* Osthelder,1933 Range (in code): TR IR Elb Th Fa Mia Shr 13 30 46 56 58 65 13A 13G 13Gg 30B 30Bd 30Bc1 30Bx 30D 30Dt 56F 56Fb 65A 65Am 65Am1 65Ai 65B 65Bo 65Bx 65D **65Df** 65G 65Ge 65F 65Fa 65Fh 65Fm 65Fr 65Fp 65Fz 65K 65Kl 65L 65N 65Np 65Nm

128. *Dichagyris (Albocosta) flammata* ([Denis & Schiffermüller],1775)

Synonym(s): *flammata* [Denis & Schiffermüller],1775; *bimaculata* Milliere,1885. Range (in code): MA PT ES FR Co Si IT GB DE CH AT PL CZ SK HU RO YU BG GR Cr TR GG Akh Smt Cc AZ Hkd IR Fa Yas By Lo Kh Mz Elb Kdj Dam Kz LB Bsa CY IL Pa SY JO Sn EG IQ Mos TIH DK RU At Sb MD UA BY CN Ui Ii KG Tk Dj AF Hr Pli Bbh Ch PK Rw Ti SI UZ N-A KK TrA Ro St Nt Kb Ich Ing Kyi Da Tbl Bjo Kir Lag Nv Ord Bak Len GlS Kh DZ Sfr Sbd Ges Psu Gg Sai 01 04 06 07 13 21 24 25 28 30 32 33 36 38 39 43 44 45 46 47 49 50 51 53 58 60 61 63 65 66 70 06Y 06Yb 13A 13Ab 13Ax 13G 13Gs 13Gw 44L 44Lc 50G 50Gd 53N 58G 60C 63L 65A 65Ai 65Am 65Am4 65At 65At5 65Ab 65Aba 65D **65Df** 65F 65Fe 65Fr 65Fp 65Fz 65K 65Kl 65Kd 65Kg 65N 65Np 65Np6 65Nm 70C 70Cf

129. *Dichagyris (Grisyigoga) candelisequa* ([Denis & Schiffermüller],1775)

Synonym(s): *candelisequa* [Denis & Schiffermüller],1775; *sagittifera* Hübner,[1813]; *piemonticola* Schwingenschuss,1954; *zapateri* Schwingenschuss,1962. Range (in code): MA ES FR Co Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc LB Bsa IL Pa He RU St Kr Nt Ich Ing At Sb Am MD UA BY UZ KK Ik TrA KG IR Th Elb Ha Kd Lo Fa Kz Km Ke TM AF 01 04 05 06 12 13 16 23 25 30 32 33 36 38 40 42 44 46 50 51 56 58 61 62 63 65 73 76 01K 04D 04Da 04I 05A 06R 06Rb 06Y 06Yb 12A 12Aa 13A 16A 25C 25Ca 30D 30Dt 30B 30Bd 30Bf 36F 42D 42R 42Rd 50G 50Gd 50Ge 51B 56F 58R 61K 61Kb 65B 65Bo 65Bx 65D **65Df** 65Dg 65Dga 65F 65Fa 65Fp 65Fz 65G 65Ge 73A 73Ad 73C 73Cd 76C

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

130. *Dichagyris (Yigoga) eureteocles* (Boursin,1940)

Synonym(s): *eureteocles* Boursin,1940 Range (in code): AM Cc RU Da TR IR Elb Th Ma Ara Ss Ke TM Kp 06 13 25 36 50 58 65 06Y 06Yb 13A 13Ab 13Ax 25F 36F 36Fb 50G 50Gb 58G 65D **65Df** 65N 65Np1 65Np2 65Np7 65Np8 65Nm

131. *Dichagyris (Yigoga) truculenta* (Lederer,1853)

Synonym(s): *truculenta* Lederer,1853 Range (in code): RU KG At TJ Pm Chr TR SY IL Pa He LB Bsa IR Fa Ss Kh Bl Elb Dam Kdj Th Kz Yas Lo KuB CN Ui 01 04 13 25 30 38 46 50 51 58 62 65 69 70 73 01L 01La 04I 13G 13Gü 13Gw 25D 30B 30Bh 30Be 30Bj1 42B 42D 51B 51Be 58G 62G 65Bx 65D **65Df** 65Dn 65F 65Fa 65Fp 65Fz 65Fm 65G 65Gb 65Ge 70C 70Cb 73C 73Cd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 10♂♀ 23 8 2016, M. Kemal & A. Koçak leg.

132. *Dichagyris (s.str.) amoena* (Staudinger,1892)

Synonym(s): *amoena* Staudinger,1892; *flavida* Corti & Draudt,1933. Range (in code): SY Dms Swd TR Cc IR Fa Gh Ma Elb Th 04 05 06 08 12 13 18 23 25 27 42 44 46 50 56 58 62 63 65 69 70 71 73 04D 04Da 04I 05A 06Y 06Yb 08H 08Hb 13C 13Cf 18F 23D 25D 25K 25R 25Rb 27B 44E 50G 50Gd 56F 56Fm 56Fj 58G 62G 63E 65A 65Am 65Am4 65D **65Df** 65F 65Fa 65G 65Gj 70C 70Cb 73C 73Cd

133. *Dichagyris (s.str.) elbursica* (Draudt,1937)

Synonym(s): *elbursica* Draudt,1937 Range (in code): IR Elb Fa Ss Kh Ke Lo Go Th Dam Km Kd TR Cc AF TJ Pm Chr UZ IL Pa He 30 36 65 30B 30Be 30Bf 30Bg 36F 65A 65Ab 65Aba 65Bx 65D 65Dd **65Df** 65F 65Fa 65Fz 65G 65Ge 65K 65Ky

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

134. *Dichagyris (s.str.) forficula* (Eversmann,1851)

Synonym(s): *forficula* Eversmann,1851 Range (in code): GR RU TR Cc AM GG RU Kr St Ich Ing Da LB IQ IR Ab Mak Oru Sdt Ss Fa Ke Es By Yas Km Kz Kd Mrv Snj Sqg Shr Yas Hz B-A Kh Elb Th Mz Kdv Dam Plr Ab Ak AF Hr Pli Gbh 01 03 04 07 08 12 13 18 24 25 29 28 30 33 36 38 42 49 50 51 58 60 65 13B 13G 13Gü 13Gw 36F 36Fb 50G 50Gc 50Gd 65B 65Bo 65Bx 65D **65Df** 65Di 65F 65Fa 65Fp 65Fz 65K 65Kl

Material studied: 1♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016; furthermore from the neighbour locality: 26♂♀, Çatak, Darboğaz 2050m, 30 6 2016, M. Kemal & A. Koçak leg.

135. *Dichagyris (s.str.) leucomelas* Brandt,1941

Synonym(s): *leucomelas* Brandt,1941 Range (in code): MA IR Fa Ss Kh Bk Lo Es Ke Ha Yz Th Elb Km Kd Snj Mrv TR RU Cc Ro AF Pli Gbh Srb KK Skm UZ TJ PK Bt Skd Gg Cls Psu IN Ld IL Pa Sn EG 13 25 30 58 65 13A 13Ab 13Ax 25F 25R 30B 30Bd 30Bx 30D 30Db 58G 65A 65Ac 65Ac3 65D **65Df** 65F 65Fa 65Fz 65G 65Ge 65K 65Ky

136. *Dichagyris (s.str.) squalidior* (Staudinger,1901)

Synonym(s): *squalidior* Staudinger,1901 Range (in code): LB SY Dms TR Cc AM GG Bjo IQ Slf IR Fa Ke Elb Th Ab Sdt Sqg Mrv Oru Snj Kd Lo Ab Ak Kz Kh KuB Zj AF Hk TM RU Ao Ro Da 01 03 08 12 23 25 30 36 42 44 46 50 56 58 65 75 01K 08H 08Hb 23I 25C 25Ca 30B 30Bx 30Bc1 30Bd 30Be 30Bf 30Bi 30Bj 30Bg 30D 30Da 42B 44E 50G 50Ga 50Gc 56F 56Fq 56Fs 58G 58Gi 58N 65Bx 65D **65Df** 65Dn 65Dx 65E 65F 65Fa 65Fp 65Fz 65G 65Ge

137. *Drasteria cailino* (Lefèbvre,1827)

Synonym(s): *cailino* Lefèbvre,1827; *caylino* Lederer,1857 Range (in code): MA PT ES Mu FR Si IT RO YU AL BG GR TR IL Pa LB Bsa SY IQ Dia Ry Rwx Brs RU Sr Ro Da AF Kab Nu Bsg Hr Bd Adr IR Bk Ke Ha Es Lo Fa Ss Kh Elb Th Dam Kz Skh Yas Sqg Kd Snj Km Hz AZ Kir Nv Ord Cc GG AM KG Ssn Lps At CN Ui Ga Au Pm Tk Dj KK Ik Skm PK SA YE Ab Sdt Kd Snj Bjr Zj Bne Mrv DZ BSA Ktr Orn Bsk Onç TN Gf 01 03 04 05 06 08 13 14 18 21 24 25 29 30 33 42 44 45 46 50 51 56 58 60 62 65 66 69 73 05A 06R 06Rb 13A 13Ab 13Ax 13G 13Gü 13Gw 21N 21Nb 21Nh 30D 30Dx 30Dp 42J 42X 42Xa 56F 56F1 58N 65A 65Ac 65Ac3 65Ai 65An 65Am 65Am1 65D **65Df** 65Dj 65F 65Fa 65Fp 65Fz 73D 73Df 73Dfc

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

138. *Drasteria saisani* (Staudinger,1882)

Synonym(s): *saisani* Staudinger,1882; *clara* Staudinger,1895; *#zaisani* John,1910. Range (in code): RU Da KG Tar Ssn Tk Dk TR IR Kh KuB Elb Th Diz Dam Plr KK Ik T-A Feg Skm CN Ui Ii AF Nu Bsg AZ Kir Nv Ord Cc TM Kp UZ N-A 01 04 06 08 12 13 21 25 30 33 36 42 44 47 49 50 51 56 58 65 66 06B 06Bb 06C 06Cb 06R 06Re 08H 13A 21L 21Lc 30B 30Bd 30Bx 30Bg 30D 30Da 33R 36D 36Db 36F 49E 49Ea 56F 58G 65A 65Am 65Am1 65Am4 65C 65D **65Df** 65F 65Fp 65Fz 65K 65Kb 65Kl

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 23 8 2016, M. Kemal & A. Koçak leg.

139. *Episema korsakovi* (Christoph,1885) Map 24

Synonym(s): *korsakovi* Christoph,1885; *paenulata* Christoph,1885. Range (in code): RO YU BG GR Cr TR CY Cc AZ Kir AM GG Smt Bjo RU Kr SY CY IL Js Pa IR Gh Elb Fa 01 06 08 10 14 17 21 23 36 42 44 45 46 50 51 56 58 65 06C 06Cb 06E 06Ea 06R 06Rq 06Y 06Yb 21F 23I 36F 36Fb 44E 44F 44Fb 50G 51B 51Bc 56F 56Fb 56Fv 56Fm 56Fç 56Fq 56Fj 58G 65A 65Am 65Am4 65D **65Df** 65F 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np 65Np8 65Nm

140. *Eremobia asiatica* Draudt,1936 Fig. 31

Synonym(s): *asiatica* Draudt,1936 Range (in code): BG GR TR Cc IR Fa Elb Th Plr Es Zj Kd Snj Bne 03 05 06 17 25 30 32 36 42 51 58 65 30B 30Bd 30Bc1 30Bx 65A 65Ab 65Aba 65Ac 65Ac3 65D **65Df** 65Dl 65Dlc 65F 65Fm 65Fp 65Fz

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 15♂ 12 7, 11♂♀ 25 7 2016, M. Kemal & A. Koçak leg.

141. *Eublemma (Glossodice) polygrammum* (Duponchel,[1842])

Synonym(s): *polygramma* Duponchel,[1842]; *argillacea* Eversmann,1844; *nuda* Christoph,1862; *violetta* Staudinger,1889. Range (in code): DZ Lbs PT ES Mu FR IT CH AT PL RO YU AL BG GR Cr TR CY AZ Kir Hkd Nv Ord Cc IR Fa Bk By Mz Es Elb Th Kd Sqg Bne Bjr Ab Mak Kz Yas Mia Shr Ss Hz B-A IQ RU Ro St Nt Ing Da MD UA BY LB Bsa Bei IL Pa Hf Jo 01 03 04 05 06 07 14 18 23 24 25 30 33 35 42 44 46 50 51 56 58 60 65 66 70 75 76 05A 13A 13Ab 13Ax 13G 13Gy 44L 44Lc 56F 56Fa 56Fv 56Fm 56F1 56Fs 56Fa 56Fö 58G 58N 65A 65Ac 65Ac3 65Ai 65D **65Df** 65F 65Fe 65Fr 65Fp 65Fz 65K 65Kl 65Kd 65Kg 65N 65Np2 65Np6 65Nm 70C 70Cf 76C

142. *Eublemma (albida-gr.) compunctum* (Lederer,1872)

Synonym(s): *compuncta* Lederer,1872; *aftob* Brandt,1938. Range (in code): TR IR Gor Fa Sse Kd Sqg Bne Mrv Bjr Zj Lo AF 04 13 65 65D **65Df** 65Fz 65K 65Ky

143. *Eublemma (albida-gr.) gratissimum* (Staudinger, 1892) Fig. 32

Synonym(s): *albida* auct.; *gratissima* Staudinger, 1892; *infusca* Staudinger, 1892; *transmittens* Christoph, 1893; *peralba* Schawerda, 1923. Range (in code): IQ Mos Kbl LB Bsa CY TR Cc LB Bei JO IL Pa Hf IR Fa Km Kd Snj Lo TM AF 01 05 07 08 13 17 23 24 25 30 31 40 44 46 47 50 56 58 62 65 73 76 01K 05A 08H 08Ha 13A 13Ab 13Ax 13B 13G 13Gg 17C 25F 30B 30Bd 30Bc1 30Bx 31K 31Ka 31Ka5 31M 44E 44Eh 44I 44Ic 44L 44Lc 44Le 56F 56Fa 56Fm 56F1 56Fe 56Fs 65B 65Bo 65Bx 65D 65Df 65F 65Fm 65Fz 65K 65Kb 65Kd 65Kg 65N 65Ne 65Nc4 65Np2 65Nm 73A 73Ad 73Ad2 76C

144. *Eublemma (candidana-gr.) minutatum* (Fabricius, 1794)

Synonym(s): *minutata* Fabricius, 1794; *noctualis* Hübner, 1796; *paula* Hübner, [1809]. Range (in code): ES FR Co IT BE DE CH AT PL CZ SK RO YU AL BG GR AM TR Cc GG Lag AZ Nv Ord DK NO SE FI EE LV LT RU Ro Ich MD UA BY LB Bsa 08 13 18 24 25 36 42 44 46 50 56 60 65 76 13A 13Ab 13Ax 36D 36Db 44L 44Lc 44Le 56F 56Fc 56Fs 56Fq 65A 65Am 65Am1 65D 65Df 65Dh 65Fz 65N 65Nb 65Np1 65Nm 76B 76Bb 76C

145. *Eublemma (candidana-gr.) ochreolum* (Staudinger, 1900)

Synonym(s): *ochreola* Staudinger, 1900; *turneri* Zerny, 1936. Range (in code): GR MK Och TR SY IR Kd Snj Cc AM 13 25 46 56 65 13A 25F 56F 56Fa 65D 65Df 65Fz 65K 65Kl

146. *Eublemma (pallidula-gr.) pallidulum* (Herrich-Schäffer, 1856)

Synonym(s): *pallidula* Herrich-Schäffer, 1856 Range (in code): DZ Ath Gle Omy RU Ro TR Cc AZ Nv Ord BH IR Elb Lo Kd Snj Kz Yas CY TM UZ Fe KK Ik Na CN Ui Ii LB Bsa SA AF PK Gg Jug NG 01 05 12 13 23 24 25 30 36 42 44 47 50 51 56 58 62 65 66 73 76 05A 13B 13C 13Cf 13G 13Gw 23G 23Ga 25R 36F 42J 42X 42Xa 44I 47D 56F 56Fc 56Fm 58G 65D 65Df 65Fz 65G 65Gv 65Gz 65K 65Kd 65Kg 65L 65Lb 65N 65Np2 65Nr6 65Nm 73C 73Cd 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

147. *Eublemma (parva-gr.) parvum* (Hübner, [1808])

Synonym(s): *parva* Hübner, [1808]; *rubefacta* Mabilie, 1869; *chalybea* Swinhoe, 1884; *nymphodora* Meyrick, 1902. Range (in code): MA DZ TN LY EG SD PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT CZ SK HU PL YU AL BG GR Cr CY TR DK RU MD UA IL HfSY IQ Brs Ry Rwx Dia Agh Amr LB Bsa JO SA IR Ab Mrd Elb Th Kdj Kd Sqg Mak Fa Ss Kh Bk Ha AF Hr Srb Gbh Kab Ca Dwe Arh PK IN TH ID ZA YE Ad AU Snj Mia Km Kz Yas Hz B-A Cc St Da Len AZ Nv Ord Bne Mrv Hrh Ges Perr Sfr Sbd Abe Btina Clo Tgr Hes 01 05 07 08 13 16 25 31 33 46 47 48 50 56 58 63 65 80 05A 07C 13A 13Ab 13Ax 16A 31K 31Ka 48L 56E 56Eh 56F 56Fm 56Fö 58N 63E 63L 65A 65Am 65Am1 65D 65Df 65Dg 65F 65Fp 65Fz 65N 65Ne 65Nc4

148. *Eublemma (rosina-gr.) caelestis* (Brandt, 1938)

Synonym(s): *caelestis* Brandt, 1938 Range (in code): IR Fa Zj Kd Bjr TR PK 13 23 30 44 58 65 13A 13Ab 13Ax 13B 23G 23Ga 30B 30Ba 58G 65D 65Df 65Fz 65K 65Kd 65Kg 65N 65Np5 65Nm

149. *Eublemma (rosina-gr.) panonicum* (Freyer, 1840)

Synonym(s): *panonica* Freyer, 1840; *kindermannii* Boisduval, 1840; *lenis* Eversmann, 1844 Range (in code): SK HU RO BG RU Ro Da Cc AZ Kir GG Smt Akh RU Ur At AF TR IR Elb Th Fa 05 07 08 18 13 23 25 36 42 44 46 56 58 65 76 05A 13G 13Gw 18F 25R 36F 36Fb 44E 44Eh 44I 56F 56Fs 65D 65Df 65F 65Fm 65K 65Kd 65Kg 76C

150. *Eublemma (rosina-gr.) pusillum* (Eversmann, 1834) Fig. 33, Map 25

Synonym(s): *pusilla* Eversmann, 1834; *proxima* Fischer von Waldheim, 1840 Range (in code): MN At RU Or Ro St Cc AM UA TR 04 65 76 65B 65Bo 65Bx 65D 65Df 65Fz 76D 76Df

This rare species is new for the fauna of Van Province.

151. *Euchalcia hyrcaniae* Dufay, 1963

Synonym(s): *hyrcaniae* Dufay, 1963 Range (in code): TR IR Elb Mz Cc GG Smt Akh AM 04 25 36 61 65 69 75 04D 04Da 36F 65B 65Bo 65Bx 65D 65Df 65Fz 65G 65Ge

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

152. *Eugnorisma (s.str.) chaldaica* (Boisduval, 1840)

Synonym(s): *chaldaica* Boisduval, 1840; *caerulea* Wagner, 1932 *nec* Gn., 1852; *buraki* Koçak, 1983 Range (in code): RU Da Kap TR Cc IQ Brs IR Elb Th Kdj Ma AM AF TM UZ KK Ik KG Ssn Sr Ur At Tar Sp 01 04 06 12 13 14 25 30 36 42 49 50 51 58 60 65 70 01L 01La 04D 04Da 06E 06Ea 06R 06Rq 13G 13Ga 14I 25D 30B 30Bj1 49E 49Ea 50Gd 58G 58N 65D 65Df 65F 65Fa 65F 65F1 65Fm 65Fp 65Fz 65F2 70C 70Cb

153. *Eugnorisma (s.str.) eminens* (Lederer, 1855) Fig. 34

Synonym(s): *eminens* Lederer, 1855; *excellens* Staudinger, 1867 Range (in code): Cc GG AM TR IR Elb Th Kh KuB Dam Mz KG At AF RU Sb Ssn KK Ik CN Ui Ii UZ TJ Pm Chr PK Psu IN 04 12 13 25 30 36 65 73 04D 04Da 13G 13Ga 13Gü 13Gw 30B 30Be 65C 65D 65Df 65F 65Fa 65F1 65Fm 65Fp 65Fz 65G 65Gj 65Gb 65Gü 65Gz 73C 73Cd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 10♂♀ 23 8, 2♂ 1 9 2016, M. Kemal & A. Koçak leg.

154. *Eugnorisma (s.str.) insignata* (Lederer, 1853) Fig. 35

Synonym(s): *insignata* Lederer, 1853; *intermedia* Eversmann, 1855. Range (in code): RU Da At KG KK TJ Pm Chr UZ N-A TR Cc TM Kp IQ Brs Shq Rwx Ry IR Elb Th Dam Lo Kh KuB Fa Spd Sse Kz PK Gg Bbu Psu Nar 01 03 06 25 30 36 42 46 56 58 65 70 01D 01L 01La 03H 06D 06Da 06Y 06Yb 25F 25T 30D 30Dt 42B 42D 50G 50Ga 50Gd 56F 56Fj 56F1 56Fs 65A 65Ai 65Am 65Am4 65D 65Df 65F 65Fa 65Fm 65Fj 65F1 65Fp 65Fz 70C 70Cb

155. *Eulocasta diaphora* (Staudinger, 1879) Fig. 36

Synonym(s): *diaphora* Staudinger,1879; *triangularis* W.Warren,1888; *atribasalis* Hampson,1896; *laticincta* Staudinger,1898. Range (in code): Cn MR MA DZ Ajj Ah Hes Omy Bsk TN RU TR YE Ad PK Cc GG AZ Nv Ord AM IR Fa Hz Ss Kd Bjr Zj Bne Mrv Lo Snj Ab Oru Mak Hz B-A Chh AF IQ IL Pa SA LB SY JO Sn EG ER PK Cp IN 05 06 08 09 13 18 24 25 30 33 36 42 44 47 50 51 58 65 69 70 73 76 05A 30B 30Be 30Bi 30Bj 36D 36Db 44E 44Eh 47D 58G 58N 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz 65L 65Lb 65N 65Np2 65Nm 70C 70Cf 73C 73Cd 76D 76Dd

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

156. *Euxoa (Orosagrotis) foeda* (Lederer,1855)

Synonym(s): *foeda* Lederer,1855; *enitens* Corti,1926; *marmorosa* Corti,1927; *vanensis* Draudt,1937. Range (in code): RU Da At IL Pa TR TM Kp KG KK Ik UA Cm IQ Rwx Cc AM GG IR Kh KuB Sse Fa Elb Th Lo Kd Mrv Zj 01 04 06 08 12 13 18 23 25 30 36 42 46 50 51 56 62 63 65 70 73 75 01A 04I 04Ia 06C 06Cb 06D 06Da 08H 08Hb 13C 13Cf 13G 13Gü 13Gw 18F 23I 25R 25Rb 30B 30Be 30Bh 30Bj 42D 50G 50Gd 51B 51Ba 51Bc 56F 56Fs 62G 63E 65Bx 65D 65Df 65G 65Ge 65F 65Fa 65Fm 65Fp 65Fz 70A 70Ac 70C 70Cb 73C 73Cd 75D

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂♀ 23 8, 5♂♀ 1 9 2016, M. Kemal & A. Koçak leg.

157. *Euxoa (s.str.) conspicua* (Hübner,[1824])

Synonym(s): *conspicua* Hübner,[1824]; *agricola* Boisduval,1829; *lycarum* Herrich-Schäffer,1846; *abditia* De Joannis,1891; *#indistincta* Strand,1915; *osthelderi* Corti,1931; *complicata* Corti,1931. Range (in code): PT ES FR Co IT RO YU BG GR TR Arr GG Akh Smt Bjo Tbl Lag Cc AZ Kir Hkd RU Ro Kr St Kc Kb Nt Ich Ing Da Kyi MD UA BY MN KG Tks Ssn Na Tk Dj KK TrA UZ IR Ab Ak Mz Th Kd Ha Fa Ss Kh Ke Ha Mz Enz CN Ui Ku Ii Kml AF Blh Arh Srb IQ Tkr LB Bsa PK IN Hp Sb SY CY Nv Ord Da Der Kus Oru Khy Mar Gls Bbu Sai Nar 01 03 04 05 06 13 18 23 24 25 30 33 36 38 42 44 45 46 50 51 58 60 62 65 66 70 71 75 76 01K 03E 04C 05A 06R 06Rb 06Rk 06Yb 13A 13Ab 13Ae 13Ax 13G 13Gü 13Gw 18F 25A 25C 25Ca 25R 30D 30Dc 36F 38C 38Cb 38G 38Ga 42R 42Rc 44I 45P 50G 50Ga 50Gb 50Ge 51B 51Ba 58G 58N 58R 60C 62G 65A 65Ab 65Aba 65D 65Df 65Dh 65Ds 65Du 65F 65Fa 65Fg 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np2 65Nm 66P 75E 76C

158. *Euxoa (s.str.) cos* (Hübner,[1824])

Synonym(s): *cos* Hübner,[1824]; *tephra* Boisduval,1840; *nagyagensis* Freyer,1845; *vacillans* Herrich-Schäffer,[1850]; *millierei* Staudinger,1870; *cycladum* Staudinger,1871; *aphe* Mabilie,1885; *crimaea* A.Bang-Haas,1906; *mesopotamica* A.Bang-Haas,1912; *rubra* Corti,1933. Range (in code): DZ Lbs Ges TN PT ES FR Si IT CH AT RO YU BG GR Cr TR RU Ich MD UA Cm BY IR Kh SY IQ Cc AM TM UZ Fe KK Ik KG LB Bsa CY IL Pa He 01 05 06 08 14 18 25 27 36 42 40 50 51 56 58 62 65 68 71 76 01K 01L 01La 05A 06R 06Rb 08H 08Hb 14I 18F 25R 25Rb 36F 36Fb 40D 42B 42D 50G 50Gd 51B 51Bc 56F 56Fq 56Fs 58G 65D 65Df 65F 65Fa 65Fz 68B 68Bb 76C

159. *Euxoa (s.str.) homicida* (Staudinger,1900)

Synonym(s): *homicida* Staudinger,1900; *#homicia* Hacker & Kautt,1999. Range (in code): IT Si RO GR Cr TR Cc IR Kh Fa Ke Ha Ss Elb Kdv Dam Kdj Kd Lo Hz Th Mz Gls TM Kp AF Hr Gbh Arh Srb PK KK Ax CN Ui Kl Kno Ts KG Tk TrA TJ Pm 04 05 06 07 13 18 24 25 29 30 32 36 40 42 44 46 50 51 58 60 62 65 66 71 04C 04D 04Da 05A 05G 06Y 06Yb 07A 13A 13Ab 13Ax 13G 13Gü 13Gw 18F 18I 24L 25A 25C 25Ca 25R 29F 30D 30Da 30Db 32F 36D 36Dd 36F 40D 42D 42R 42Rb 42Rc 44E 46L 50G 50Ga 50Gb 50Ge 50Gd 51B 51Ba 58G 58N 58R 60C 62G 65D 65Df 65Fz 65G 65Ge 65B 65Bo 65Bx 65K 65Kl 65N 65Np2 65Nm 66P 68B 68H

160. *Euxoa (s.str.) obelisca* ([Denis & Schiffermüller],1775)

Synonym(s): *obelisca* [Denis & Schiffermüller],1775; *praticola* Hübner,[1813]; *plectoides* Guenée,1852; *grisea* Tutt,1892; *#carbonis* W.Warren,1909; *stephensii* Heyd.,1933; *salioclitana* Boursin,1934. Range (in code): DZ Ges Btina Lbs Abe PT ES FR Co? Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK NO SE FI EE LV LT RU Ro Kr Nt St Ich Da MD UA BY Ur TR AM GG Smt Bjo AZ Kir Cc IR IL Hf Pa JP 05 13 14 42 50 56 65 05A 13G 13Gü 13Gw 14I 42B 42D 50G 50Gd 56F 56Ff 56Fm 65D 65Df 65F 65Fa 65N 65Nc 65L 65Lb

161. *Euxoa (s.str.) scurrilis* Draudt,1937 Map 26

Synonym(s): *scurrilis* Draudt,1937 Range (in code): TR Cc IR Elb Th Dam Lo Fa Com IQ 01 12 13 24 25 30 36 42 50 51 58 65 01L 01La 12C 12Cb 13G 13Gü 13Gw 25C 25Ca 25R 25T 30B 30Bg 30D 30Da 36D 51B 51Ba 51Bc 58G 58Gi 65A 65Ac 65Ac3 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz 65G 65Gb 65K 65Kb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 25 7, 1♂ 23 8, 3♂ 28 8, 3♂ 1 9 2016, M. Kemal & A. Koçak leg.

162. *Euxoa (s.str.) sulcifera* (Christoph,1893) Map 27

Synonym(s): *sulfifera* Christoph,1893 Range (in code): TR IR Elb Th Cc AM 04 08 12 13 25 30 42 62 65 69 76 04D 04Da 04I 04Ia 08H 08Hb 12A 12Aa 13G 13Gü 13Gw 25A 25C 25Ca 25F 25T 30D 30Da 42B 62G 65A 65Ab 65Aba 65Bx 65D 65Df 65F 65Fj 65Fp 65Fz 65G 65Ge 65Gü 69B 69Ba 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8, 4♂ 28 8 2016, M. Kemal & A. Koçak leg.

163. *Gortyna (Cervyna) cervago* Eversmann,1844 Fig. 37, Map 28

Synonym(s): *cervago* Eversmann,1844; *#argillago* Draudt,1936. Range (in code): RO RU Ro St Ich Da Ur UA TR Cc AM AZ TM CN Ui AF IR Elb Th Kdv UZ 04 06 13 25 36 44 58 62 65 69 04D 04Da 06E 06Ea 13A 13Ab 13Ax 36F 36Fb 65A 65Ai 65Am 65Am4 65D 65Df 65F 65Fa 65G 65Ge 65K 65Kk

164. *Hadena (Enterpia) roseocandida* (Hacker,1996)

Synonym(s): *roseocandida* Hacker,1996 Range (in code): TR Cc IR Elb Th Fa Lo Ha Mia 01 04 06 12 13 22 23 25 30 36 42 46 50 56 58 65 70 13A 13Ab 13Ax 30B 30Bc1 30Bx 36D 36Db 50G 56F 56Fm 58G 65A 65Ai 65D 65Df 65F 65Fp 65Fz 70C 70Ce 70Cf

165. *Hadena (s.str.) compta* ([Denis & Schiffermüller],1775)

Synonym(s): *compta* [Denis & Schiffermüller],1775; *viscaria* Guenée,1852; *galactina* Turati,1908. Range (in code): DZ Ges PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR SY LB Bsa IL Pa AM GG Smt Akh Cc AZ IR Ab Khy Elb Fa Th Lo Zj Gh Kd Bne Sse Kh IQ DK NO SE FI EE LV LT RU Ro St Kb Kc Nt Ich Ing Da Sb At Am MD UA Lvv BY TM KK KG T-S MN CN JP 03 04 05 06 08 13 16 18 24 25 29 30 32 33 36 42 46 49 50 51 56 58 60 62 63 65 66 76 05A 13A 13Ab 13Ax 13G 13Gü 13Gw 16A 33G 33P 51B 51Ba 56F 56Fa 56Fq 58N 65A 65Ai 65Bx 65D 65Df 65F 65Fa 65Fp 65Fz 65Fr 65G 65Ge 76C

166. *Hadena (s.str.) drenowski* (Rebel,1930)

Synonym(s): *drenowski* Rebel,1930 Range (in code): YU UA BG GR TR Cc AM Eri RU IR Elb Mz Kdv Th Dam Kh IL Pa He 01 04 08 12 25 30 33 36 40 42 50 51 58 73 01K 04C 04D 04Da 08H 12C 25A 25C 25F 36F 38Ga 38H 46H 50G 50Gb 58G 58Ga 58Gg 58R 65D 65Df 65Fz 73C 73Cd

167. *Hadena (s.str.) fibigeri* Hacker,1996

Synonym(s): *fibigeri* Hacker,1996 Range (in code): TR Cc 04 08 13 24 25 30 38 50 51 58 65 69 04D 04Da 08H 13G 25A 25C 25F 30B 30Be 30Bj 30Bl 30D 38G 38Ga 50G 50Gb 58G 58I 65A 65At 65At5 65Bx 65D 65Df 65G 65Ge 65Fz

168. *Hadena (s.str.) lucida* (Brandt,1938)

Synonym(s): *lucida* Brandt,1938 Range (in code): TR IR Fa Com By Es Elb Mz Dam Kd 30 65 30B 30Be 30D 65Bx 65D 65Df 65Dx 65F 65Fa 65Fe 65Fz 65G 65Ge

169. *Hadena (s.str.) magnolii* (Boisduval,1828)

Synonym(s): *magnolii* Boisduval,1828; *nummosa* Eversmann,1844. Range (in code): DZ Hmk PT ES An FR Co Si IT DE CH AT SK HU RO YU HV AL MK BG GR Cr TR TM IR By Yas Es Fa Lo Ha Elb Th Dam Kd Kh Cc GG Tbl Smt Bjo Mng AZ Kir AM LB Bsa UZ N-A KK KG RU Ro St Kb Nt Ing Da Sb At UA PK Ch Hu 01 04 05 06 09 13 14 18 21 24 25 29 32 33 36 42 44 46 49 50 51 56 58 65 66 05A 06R 06Rb 13A 13Ab 13Ax 13G 13Gü 13Gs 13Gw 21L 21Lc 42R 44L 44Lc 56F 56Fi 56Fs 58R 65A 65Ai 65Am 65Am1 65Am4 65An 65At 65At5 65D 65Df 65Dg 65Du 65F 65Fr 65Fp 65Fz 65Fm 65K 65N 65Np 65Np1 65Nm

170. *Hadena (s.str.) ronkayorum* Hacker,1996

Synonym(s): *ronkayorum* Hacker,1996 Range (in code): TR 04 13 30 56 65 13G 13Gü 13Gw 56F 56Fa 65D 65Df 65Fz

This species is new for the fauna of Van Province.

171. *Haemerosia renalis* (Hübner,[1813]) Fig. 38, Map 29

Synonym(s): *renalis* Hübner,[1813] Range (in code): ES FR Si IT YU BG GR TR Cc IR Fa Com Ss Kh By Lo Elb Th Kd Bne IL Pa LB 05 06 09 12 13 15 16 25 30 32 33 36 40 42 46 47 50 56 62 65 66 73 05A 06R 06Rb 06Re 09K 09Ka 12A 12Aa 16A 25T 25F 30B 30Bc1 30Bx 30Bf 33A 33Ad 46G 46Gf 56F 56Fi 65A 65Ai 65D 65Df 65F 65Fp 65Fz 65K 65Kb 73A 73Ad 73Ad2

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

172. *Hecatera bicolorata* (Hufnagel,1766)

Synonym(s): *bicolorata* Hufnagel,1766; *serena* [Denis & Schiffermüller],1775; *placida* Esper,[1791]; *hieracii* Bkh.,1793; *par* Donovan,1801; *monticola* Dup.,1826; *leuconota* Eversmann,1837; *intermedia* Walker,[1858]; *obscura* Staudinger,1861. Range (in code): DZ PT ES FR Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Ich Ing Da Sb At Am MD UA BY IR Fa Es Ke Mz Elb Th Kd Bne Mrv Hz AM AZ GG Lag Len Kir Cc CY LB Bsa IL Pa HFSY KK Ax TrA Na Ges BSA Hmk Hrh Khb Bsk Agi 01 04 05 06 07 08 13 14 18 21 24 25 28 29 30 33 36 46 49 50 51 53 55 58 60 63 65 66 75 05A 06R 06Rh 113G 13Gy 21L 21Lc 21N 21Nh 30B 30Bd 30Bx 53B 55F 58R 65A 65Ac 65Ac3 65An 65Ai 65Am 65Am1 65At 65At5 65F 65Fa 65Fp 65Fz 65D 65Df 65Du

173. *Hecatera cappa* (Hübner,[1809])

Synonym(s): *cappa* Hübner,[1809] Range (in code): MA DZ Abe ES FR Sa Si IT MT CZ SK HU RO YU AL BG GR Cr TR Cc GG Smt Bjo AM IR Fa Lo LB RU Ro St Kb Ich Kyi Da At MD UA BY LB Bsa CY JO IL Pa 05 06 16 17 18 25 36 40 42 51 58 62 65 05A 06F 16A 65D 65Df 65F 65Fa 65Fz 65N 65Np6 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

174. *Heliothis peltigera* ([Denis & Schiffermüller],1775) Map 30

Synonym(s): *peltigera* [Denis & Schiffermüller],1775; *alpheia* Cramer,1780; *florentina* Esper,[1788]; *charmione* Stoll,1790; *straminea* Donovan,1793; *insulata* Navas,1924. Range (in code): MA DZ Cn PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK SE FI EE LV LT RU MD UA BY IR Mz Fa Ke Lo By Yas Hz Ss Kh Ha PK Bl Qu IQ Mj JHa Amr Agh Kq Dk AF Hr Ghb Kab Srb Arh Dwe Bark Fz LB Bsa IN Dlh Hp NP JO Sn IL Pa Hf Dam Kdj Elb Th Ak Mrd Mia Kz Yas Km Kd Snj Hz B-A Maz Gls Kh GG AZ AM Cc KK TrA TM Kp UZ KG Ro Kr St Kb Kc Nt Ing Da CV MM Kba Tbl Smt Bjo Lag Bku Nv Ord Hmk Ktr Khb BSA Perr Sfr Dje DhM Abe Bsk Hrh Ges Clo Lbs Anna Ah Ajj 01 05 06 07 08 09 13 16 18 20 21 24 25 27 30 31 33 35 36 38 42 44 45 46 50 51 56 58 63 65 66 73 75 80 05A 07B 07Bb 09K 09Ka 13A 13G 13Gö 13Gg 13Gg 16A 18F 21N 21Nb 21Nc 21Nh 30D 30Df 31K 31Ka 31Ka3 31Ka7 33A 33Ac 33Ad 33E 36F 36Fb 44L 44Lc 56F 56Fo 56Fa 56Fb 56Fv 58N 63D 65A 65Am 65Am1 65Am2 65Am3 65An 65Ai 65At 65At5 65D 65Dda 65Df 65Dl 65Du 65E 65Eb 65Ec 65Ec 65Ed 65F 65Fa 65Fd 65Fg 65Fp 65Fr 65Fz 65G 65Ge 65K 65Kb 65Kl 65N 65Np 65Nr4 65Nr7 65Nm 73A 73Aa 73D 73Da 73Df 73Dfc 75F 75Fa

175. *Heptapotamia eustratii* Alpheraky,1882 Fig. 39

Synonym(s): *eustratii* Alpheraky,1882 Range (in code): KG Tk TM Kp TR CN Ui Ku 25 36 58 65 25D 36F 36Fb 58G 65B 65Bk 65Bx 65D 65Df 65G 65Ge 65N 65Np1 65Nm

Recently, the authors published the early stages and larval food-plant of this species (Kemal & Koçak, 2015b).

176. *Hypena munitalis* Mann,1861

Synonym(s): *munitalis* Mann,1861 Range (in code): BG MK GR TR GG Smt Bjo Akh Cc AM RU Kr IL Pa LB Bei 01 05 06 07 08 12 13 21 24 25 32 33 42 44 49 50 51 56 58 65 69 73 05A 06R 06Ra 06Rm 13A 13Ab 13Ax 13G 13Gg 13Gü 13Gw 21L 21Lc 32A 42B 42Bb 44E 44Eh 44L 44Lc 49E 49Ea 56C 56Ca 56F 56Fo 56Fs 56Fs1 56Fj 56Fe 56Fv 56Fq 56Fö 56Fm 56F3 65A 65Ac 65Ac3 65Ai 65Am 65Am1 65Am4 65At 65At5 65D **65Df** 65F 65Fm 65Fp 65Fr 65Fz 65K 65N 65Nc 65Kp 65Kl 73A 73Ad 73Ad2

177. *Hypena obesalis* Treitschke,1829 (Noctuidae) Synonym(s): *obesalis* Treitschke,1829; *crassalis* Hübner,1796 Range (in code): ES FR Sa Si IT GB NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK FI RU Cc St Kb Kc Nt Ich Da Sb MD UA BY IR Fa Kaz Mia AM IQ PK AF UZ MN CN Ui Kun 06 25 30 36 37 65 75 25D 30B 30Bj1 37P 65D **65Df** 65Fu

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 23 8 2016, M. Kemal & A. Koçak leg.

178. *Leucania punctosa* (Treitschke,1825)

Synonym(s): *punctosa* Treitschke,1825; *boisduvalii* Duponchel,1827 Range (in code): MR DZ Ges Sbd Prr Afl Btina Abe PT ES FR Co Sa? Si IT? MT CH? YU GR BG RO Do UA Cm Ode TR IR Fa Gh Elb Th CY IQ Agh RU Cc Da TM Kp LB IL Pa JO SY 01 05 07 21 35 42 44 46 50 56 62 63 65 73 21L 44I 44Lc 56E 56Eh 56F 56Fv 56Fç 56Fö 56Fb 65D **65Df** 65F 65Fç 65K 65N 65Nc 65Np 65Nm 65Ku 73D 73Db

179. *Luperina dumerilii* (Duponchel,1826)

Synonym(s): *dumerilii* Duponchel,1826; *amenata* Germar,[1842]; *sancta* Staudinger,1892; *armoricana* Culot,1909; *aequalis* Schawerda,1911; *uniformis* W.Warren,1911; *adriatica* Stauder,1913; *hirsuta* F.Wagner,1931; *indistincta* Rebel,1933; *hartigi* L.Ronkay & Varga,1985 Range (in code): MA DZ DhM TN Perr Btina PT ES Co Sa Si IT MT GB BE DE CH RO YU BG GR Cr TR RU Cc Da CY IQ Dia IL Pa Jt JO 01 05 21 35 42 46 65 01C 01K 05A 35O 42B 65A 65Am 65Am4 65D **65Df** 65N 65Np 65Np7 65Np8 65Nm

180. *Luperina rubella* (Duponchel,1835)

Synonym(s): *mediosignata* Turati,1930; *sericea* Caradja,1932; *thurneri* Schawerda,1938. Range (in code): DZ LY FR IT CH RO MK YU BG GR TR RU UA Cm LB IL Pa He TM Kp IR Elb Th Kdv 01 18 30 50 56 65 30B 56F 56Fs 56Fq 65D **65Df** 65F 65Fa 65Fe 65Fm . Prep. no: GP2377♂

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 14♂♀ 1 9 2016, A. Koçak leg.

181. *Lygephila (s.str.) cracca* (Fabricius,1787)

Synonym(s): *#cracca* [Denis & Schiffermüller],1775; *cracca* Fabricius,1787; *nigricollis* Villers,1789; *riata* Rungs,1952; *caliginosa* Schawerda,1931; *herrerai* Yela,1990; *#cracca* Hacker & Kautt,1999. Range (in code): MA PT ES Mu FR Co Sa Si IT GB BE LU DE CH AT PL CZ HU RO YU BG GR Cr TR AZ AM GG Cc IQ Ry LB Bsa DK NO SE FI EE LV LT RU Cc Ro Kr St Nt Ich Ing Da MD UA By IR Fa By Yas Ke Ss Lo Kh Mz Elb Th Dam Kz Yas Skh Kd Snj Lo Yz CN Ui Chk AF Pag KG Tk Dj Ii KK Ik PK Bbu Psu Gg Hu Nar Mlk T-A CY Smt Bjo Mng Lag Kir Bne Mrv 01 05 06 07 08 12 13 14 16 17 18 22 23 24 25 29 30 31 33 36 42 44 48 49 50 56 58 60 62 63 65 75 76 05A 06K 06Kb 06R 06Rq 13C 13Cf 13G 13Gg 13Gü 13Gw 13Gy 16A 23M 25F 30D 30Dx 31K 31Ka 31Ka5 33G 36F 36Fb 44I 44Lc 44L 44Lc 49E 49Ea 56F 56Fe 56Fq 56Fv 62G 62Gb 63E 65A 65Ai 65Ac 65Ac3 65Am 65Am4 65D **65Df** 65Dn 65F 65Fa 65Fp 65Fm 65Fj 65Fz 65N 65Np 65Nm 75F 75Fa 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

182. *Margelana flavidior* Wagner,1831 Fig. 40

Synonym(s): *flavidior* Wagner,1831 Range (in code): IL Pa TR Cc IR TM AF Gbh 06 12 25 36 38 42 44 49 50 58 60 64 65 70 06Y 25D 44E 44Eh 49F 49Fe 50G 58G 65D **65Df** 65F 65Fa 65Fp 65Fz 65K 65Kd 65N 65Np 65Np2 65Np8 65Nm

183. *Mesoligia literosa* (Haworth,[1809]) Fig. 70

Synonym(s): *literosa* Haworth,[1809]; *erraticula* Hübner,[1813]; *onochyna* Herrich-Schäffer,1856; *subarcta* Staudinger,1898; *faroulti* Rothschild,1914; *powelli* Oberthür,1918; *hispanica* Heydemann,1942; *minorasia* Rezbanyai-Leser,1998; *siciliana* Rezbanyai-Leser,1998 Range (in code): MA DZ Ges ES FR Si IT IE GB BE NL CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU Ro St Kb Kr Nt Ich Ing Da MD UA BY IR Fa Th Kh KuB Zj Mz Elb Dam Snj Kd Mrv Lo Mia IQ AF IL Pa Js Hf SY UZ AZ AM GG Cc IQ LB Bei TJ Pm KK Ax TrA 03 06 07 08 24 25 30 36 38 42 50 51 56 58 62 65 66 69 75 06A 06Aa 30B 30Bd 30Bc1 30Bx 38G 38Ga 42B 56F 56Fv 58G 65D **65Df** 65F 65Fa 65Fz 65N 65Np2 65Nm . Prep. no: GP2351♂

184. *Metopoplus boursini* Brandt,1938 Fig. 41, Map 31

Synonym(s): *boursini* Brandt,1938 Range (in code): IR Fa Kd Snj Com TR IQ 30 56 65 73 30B 30Ba 30Bd 30Bc1 30Bx 30Bj 30Be 30C 30Cd 30D 30Dt 56F 56F6 56Fb 65D **65Df** 65F 65Fg 65Fp 65Fz 73C 73Cd

Material studied: 5♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

185. *Mythimna (Aletia) l-album* (Linnaeus,1767)

Synonym(s): *l-album* Linnaeus,1767; *penicillata* Moore,1881 Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Cc DK NO SE LV RU Ur MD UA BY IR Fa Ke Lo Es Ha Ss Gh Elb Th Dam Kdj Ab Kz Yas AF Gbh PK IN Pj Sml Dlh Hp Kul Up Bhi Si NP CY IQ LB Bei Bsa IL Pa KK KG CN UZ Lvv Tk Dj Ax N-A Ro St Kr Kb Nt Ich Da Thu Smt Bjo Lag Kir Nv Ord Oru Sdt Kd Bne Gls Kh Agi Anna Ges Lgt Blid Bsk Btina Lbs Khh DhM Prr Abe Sbd Afl BSa Hrh Psu Gg Txl Abb Nar Sai 05 06 07 08 10 12 13 16 17 18 21 25 30 31 32 33 34 36 38 39 42 44 45 46 49 50 51 56 58 61 62 63 65 69 80 05A 06R 06Rq 06Y 06Yb 08H 08Ha 13A 13Ab 13Ax 13B 13C 13Cd 13G 13Gg 13Gü 13Gs 13Gw 16A 21N 21Nb 30D 30Dt 30Dx 31K 31Ka 31Ka3 33G 36D 36Db 36F 36Fb 38H 38Hc 44E 44Eh 44L 44Lc 49E 49Ea 56F 56Fo 56Fb 56Fö 56Fv 56Fa 56Fm 56Fq 56F1 58G 61K 61Ka 62G 62Gb 65A 65Ai 65B 65Bo 65Bx 65D **65Df** 65Ds 65Dv 65F 65Fg 65Kr 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65N 65Nc 65Nc4 65Np7 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7 2016, M. Kemal & A. Koçak leg.

186. *Mythimna (Aletia) vitellina* (Hübner,[1808])

Synonym(s): *vitellina* Hübner,[1808]; *#vitellina* Lederer,1870; *decolorata* Dannehl,1929; *saturation* Dannehl,1929; *griseocens* Dannehl,1929. Range (in code): Cn MA MR DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Brs Ry Rwx Dia Agh DK RU At MD UA BY PK Ch NP IN Pj Kul CN IR Lo Es Ha Kh Fa Mz

Elb Th Kdj AF Hr UZ Fe KK Ik TM KG TJ CY AZ Bak GG Cc LB Bsa SY JO IL Pa T-A Kp N-A Br Ro Kr St Kc Kb Nt Ing Ich Da Tbl Smt Bjo Bku Kir Gls Agi Blid Khh Gue Ges Btma Bsa Anna Orn Abe Sfr Sbd DhM Sét Hrh Hmk Lvv 01 03 05 06 07 08 09 13 16 17 18 21 22 23 24 25 27 28 29 30 31 33 34 35 36 37 39 42 44 45 46 48 49 50 51 52 56 58 62 63 65 73 75 76 80 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 07B 07Bb 13A 13Ab 13Ax 13G 13Gü 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 30D 30Dx 33G 36D 36Db 36F 36Fb 44E 44Eh 44L 44Lc 46G 46Gf 48L 49F 49Fb 56E 56Eh 56F 56Fa 56Fb 56Fh 56Fo 56Fv 56F3 56F1 56Fs 56Fç 56Fy 56Fc 58G 62G 62Gb 63D 63E 65A 65Ai 65An 65Am 65Am2 65D 65Df 65Dl 65Dlc 65Ds 65Du 65Dv 65F 65Fa 65Fb 65Fç 65Fd 65Fg 65F1 65Fj 65Fm 65Fr 65Fp 65Fu 65Fz 65G 65Ge 65K 65N 65Ne 65Nc4 65Kd 65Kg 65Kl 65Kp 65Ku 65L 65Lb 65N 65Nm 65Np 65Np1 65Np8 73D 73Db 75F 75Fe 76A 76Ac 76B 76Bb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 23 8, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

187. *Mythimna (Hyphilara) albipuncta* (Fabricius, 1787)

Synonym(s): *albipuncta* [Denis & Schiffermüller], 1775; *albipuncta* (Fabricius, 1787; *rufotincta* Wagner, 1921.

Range (in code): Hrh Dze Abe Sbd Sét Khh Blid DZ PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG Smt Bku Lag AZ Kir Nv Ord AM Cc DK SE FI LV RU Ro Kr St Kc Kb Nt Ing Kyi Da MD UA Lvv BY IR Mz Elb Th Gh Gls Kdj Dam TM Kp 05 14 16 17 24 33 34 36 42 50 65 66 75 76 05A 16A 36D 36Db 36F 36Fb 42X 42Xa 65Bx 65D 65Df 65F 65Fp 65Fz 65G 65Ge 65K 65Kp 65L 65Lb 75F 75Fb 76A 76Ac

188. *Noctua (Latanocua) orbona* (Hufnagel, 1766)

Synonym(s): *orbona* Hufnagel, 1766; *subsequa* [Denis & Schiffermüller], 1775; *caroni* Lempke, 1964. **Range (in code):** MA DZ TN LY PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR CY TR DK NO SE FI EE LV LT RU Ro Kr

St Kb Nt Ich Ing Kyi Da MD UA Cm BY IR Lo By Yas Zj Elb Th Kdj Kd LB Bsa SY IQ GG Smt Akh Bjo Tbl AZ Hkd Kir Nv Ord AM Cc TM UZ N-A AF Kh LU KG Uk KK Osh TJ Pm Chr Tbl Smt Bjo Lag Kir Nv Ord Bne Ges Clo PK Abb 01 03 04 05 06 07 08 13 14 16 17 18 21 23 25 27 28 30 31 36 38 39 42 43 46 50 51 56 58 59 60 62 63 65 66 70 01L 01La 05A 06E 06Ea 06R 06Ra 06Rb 06Rd 06Rq 06Y 06Yb 13G 13Gg 13Gf 13Gü 13Gw 14I 16A 21L 30D 30Dt 36D 36Db 42B 42D 50G 50Ga 50Gd 56F 56Fb 56Fç 56F3 56Fv 56Fa 56Fç 56Fj 58G 59D 63D 65A 65Ac 65Ac3 65An 65At 65At5 65Ab 65Aba 65Bx 65D 65Df 65Du 65Di 65F 65Fa 65Fb 65Fç 65Fr 65Fp 65Fz 65G 65Ge 65N 65Np7 65Nm 70C 70Cb

189. *Oncocnemis fuscipicta* Wiltshire, 1976

Synonym(s): *fuscipicta* Wiltshire, 1976 **Range (in code):** TR IQ Shq 13 30 56 65 73 13B 30B 30Ba 30Bd 30Bx 30Bh 30Bj 30Bj1 30D 30Da 30Dt 56F 56Fj 65Bx 65D 65Df 65Dn 65Ds 65Dv 65F 65Fp 65Fz 65Fm 65G 65Ge 65N 65Np8 65Nm 73C 73C 73Cd

190. *Opigena polygona* (Fabricius, 1787)

Synonym(s): *polygona* [Denis & Schiffermüller], 1775; *polygona* Fabricius, 1787; *nigrofulva* Esper, [1788]; *pyramis* Borkhausen, 1792; *polygena* Hacker & Weigert, 1986 **Range (in code):** ES FR IT NL DE CH AT PL CZ SK HU RO YU AL BG GR DK NO SE FI EE LV LT RU MD UA BY Cc AM Eri TR IR Elb Kh Kd Bne Mrv Fa Ha Zj Mz Th Dam CN Ti NP IN Sb KK Na 03 04 12 13 17 18 24 25 30 36 39 42 60 65 69 04D 04Da 13D 13G 13Ga 13Gg 13Gü 13Gw 25A 25C 25Ca 25D 25N 30B 30Bj 30D 30Da 36F 42B 49E 49Ea 60C 65A 65Am 65Am4 65D 65Df 65Dh 65F 65Fm 65Fp 65Fz 65K 65Kl 65N 65Nr2 65Nm

191. *Periphanes (s.str.) delphinii* (Linnaeus, 1758) Fig. 42

Synonym(s): *delphinii* Linnaeus, 1758; *darollesi* Oberthür, 1876; *delphini* Hampson, 1903. **Range (in code):** MA TN DZ Bsa Sbd ES FR IT GB NL DE CH AT PL CZ SK HU RO YU BG GR TR GG Smt Akh Cc AM LV LT RU Ro St Ich Kyi Da Ur MD UA BY IR Fa Ss Elb Th Dam Ab Mak IQ TIH AF Hr UZ Fe KK KG TJ UZ N-A SY IL Pa 01 04 05 06 07 18 22 23 24 25 32 36 42 44 46 50 51 58 60 65 66 76 04H 04Ha 05A 36D 36Db 58N 65D 65Df 65Fz 65H 65N 65Ne 65Np6 65Np 65Nm 76B 76Bb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7, 1♂ 25 7 2016, M. Kemal & A. Koçak leg.

192. *Phlogophora meticulosa* (Linnaeus, 1758) Fig. 43

Synonym(s): *meticulosa* Linnaeus, 1758; *lamii* Schadewald, 1993 **Range (in code):** MA DZ Abe Ges Btma DhM Hrh TN PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Smt Lag AZ Kir IQ Agh CY LB IL Hf Pa IR Gh Elb Clu Mz DK NO SE FI EE LV LT RU Ro St Kr Kc Kb Nt Ich Da MD UA Lvv BY 05 06 07 13 14 16 18 21 24 25 33 34 36 38 46 50 51 56 58 62 65 05A 06R 06Rb 06Y 06Yb 13G 13Gs 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 25D 36D 36Db 38H 38Hc 56E 56Eh 56F 56Fa 56Fv 58G 62G 62Gb 65A 65Am 65Am4 65D 65Df 65Dv 65F 65Fp 65Fz 65N 65Ne 65L 65Lb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

193. *Polymixis (Parabrachionycha) atossa* (Wiltshire, 1941) Map 32

Synonym(s): *atossa* Wiltshire, 1941; *limula* Sukhareva, 1978 [ssp.]; *derrai* Hacker, 1990 [ssp.]; *centralasiae* Hacker & Behounek, 1990 [ssp.] **Range (in code):** IR Fa TR Cc TM Kp TJ Pm Chr RU Ur 36 65 36F 36Fb 65D 65Df

Very rare in the studying place, autumnal. This species is new for the fauna of Van Province.

194. *Polymixis (s.str.) csorbagabori* L.Ronkay, Varga & Hreblay, 1998 Fig. 71

Synonym(s): *csorbagabori* L.Ronkay, Varga & Hreblay, 1998 **Range (in code):** TR 02 30 65 30D 65D 65Df 65F 65Fe. **Prep. no:** GP2422♂

Rare in the studying place, autumnal.

195. *Polymixis (s.str.) perchrysa* Hacker & Ronkay, 1992 Fig. 72

Synonym(s): *perchrysa* Hacker & Ronkay, 1992 **Range (in code):** SY Bld Cc AM TR 04 25 36 65 04I 04Ib 25F 36D 65D 65Df. **Prep. no:** GP2421♂

Rare in the studying place, autumnal. This species is new for the fauna of Van Province.

196. *Pseudenargia deleta* (Osthelder, 1933) Map 33

Synonym(s): *deleta* Osthelder, 1933; *badiofasciata* Draudt, 1936; *basilissa* Brandt, 1938. **Range (in code):** TR Cc IQ LB IL Pa IR Elb Th Fa Sse Shr 01 04 13 23 30 36 44 46 56 58 62 63 65 73 04D 04Da 13C 13Cf 13D 13Da 30B 30Bh 30Bj1 36F 36Fb 38G

44F 44Fb 44I 44Ic 56F 56Fö 63B 65A 65Am 65Am4 65D 65Df 65F 65Fa 65F1 65Fm 65Fp 65Fz 65Fş 65K 65Ku 65N 65Np 65Np7 65Nm 73C 73Cd

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 9♂ 1 ♀ 9 2016, A. Koçak leg.

197. *Sideridis (Luteohadena) luteago* ([Denis & Schiffermüller],1775)

Synonym(s): *luteago* [Denis & Schiffermüller],1775; *brunneago* Esper,[1804]; *nigrescens* Wagner,1926 (*praeocc.*); *ottomana* Koçak,1990. Range (in code): DZ Hrh FR AD Co Si IT MT GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd FI LV LT RU Ro Kr St Kb Nt Ich Ing Da MD UA Lvv BY TR IR Fa Kh Elb Th IQ LB Bsa SY GG Tbl Bjo Smt Kir Cc AZ AM KK KG o4 o5 o6 o7 o8 11 13 18 21 24 25 29 30 33 36 37 42 49 50 58 60 61 65 73 o5A 11A 13A 13Ab 13Ax 13G 13Gg 13Gw 13Gs 50G 65A 65Am2 65Am4 65An 65Ai 65B 65Bo 65Bx 65D 65Df 65Dg 65Dga 65Dh 65F 65Fç 65Fg 65Fm 65Fr 65Fz 65G 65Ge 65L 65Lb 65N 65Np6 65Nm 73A 73Ab

198. *Spodoptera exiguum* (Hübner,[1808])

Synonym(s): *exigua* Hübner,[1808]; *fulgens* Geyer,[1832]; *pygmaea* Rambur,1834; *junceti* Zeller,1847; *caradrinoides* Walker,1856; *flavimaculata* Harvey,1876; *venosa* Butler,1880; *sebghana* Austaut,1880; *antipodea* W.Warren,1914; *protector* De Laever,1985. Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Ce DK NO SE FI EE LV LT RU MD UA BY CY LB Bsa IQ Agh Bgd Qr Amr KW PK Bl Qu AF Hr Gbh Srb Arh Dwe Kab ZA Gaur Pre Tva Nta Kzu Dbn Est ZW IL HF Rd Pa IR TH Fa Lo By Kz Yas Ke Hz B-A Ss Ha Kh Ab Oru Mz Elb Dam Kdj Kh Gh Bu Dlk Ro St Kb Nt Ich Ing Da ET ET24 YE Ad CV Az Md Cn Hw CA US Cp Rw Ges Ktr Agi Lgt Bsa Gha Gtt Omy Ogl Gle Khh Blid Sét Abe Bsk Perr Sfr Btma Hmk Dhm Hrh Onç Ah Ajj o1 o5 o7 o8 13 14 16 17 18 21 25 27 29 30 31 32 33 36 38 42 43 44 45 46 49 50 51 52 56 58 63 64 65 69 o5A 13A 13Ab 13Ax 13B 16A 21A 21N 21Nc 33G 44I 44Ic 49F 49Fb 56F 56Fb 56Fö 56Fç 56Fv 56Fc 56Fa 56Fs 56Fm 58N 63D 65A 65An 65Am 65Am2 65D 65Df 65Dg 65F1 65Fz 65K 65Ku 65Kp 65L 65Lb 65Nc 65N 65Nc4 65Np1 65Np5 65Nm

199. *Tholera hilaris* (Staudinger,1901)

Synonym(s): *hilaris* Staudinger,1901; *gracilis* Kostrowicki,1963 Range (in code): TR RU Sr Ich IL Js Pa JO Cc GG AZ AM IR Kh Nys o6 36 50 58 65 69 o6C o6Cb o6E o6Ea o6R o6Rq o6Y o6Yb 58G 65A 65Ai 65D 65Df 65Dh 65F 65Fp 65Fz 65N 65Nb 65Np 65Np2 65Nm

200. *Ulochlaena hirta* (Hübner,[1813]) Fig. 44

Synonym(s): *hirta* Hübner,[1813] Range (in code): DZ Mage Btma Af FR Si IT CH RO YU BG GR RU Ro St Da Kyi MD UA TR Cc GG Smt Bjo Tbl Da Der AZ Kir SY JO IR Ab Oru Elb Th Plr GlS TM Kp o4 o5 o6 o7 12 13 32 30 36 38 44 46 49 56 58 62 65 70 o5A o6E o6Ea o6R o6Rq o6Y o6Yb o7A 12A 12Ab 13C 13Cd 13G 13Gd 30D 30Dc 36D 36Db 36E 36F 36Fb 38H 38Hc 44E 44Eh 56F 56Fo 56Fa 56Fb 56Fc 58G 58Gb 58Q 65A 65Am 65Am4 65Ai 65An 65Aö 65D 65Df 65K 65Kd 65N 65Nc

201. *Zekelita (Rhynchodontodes) antiqualis* (Hübner,[1809]) Map 34

Synonym(s): *antiqualis* Hübner,[1809]; *mardinalis* Staudinger,1892; *anatolica* F.Wagner,1931; *#antiquilis* Zukowsky,1941 Range (in code): Si IT RO YU AL BG GR Cr CY TR AM GG Lag AZ Nv Ord RU Cc Ro St Kr LB Bsa IL Pa JO IR Ab Oru Sdt Mrv Bne Km Kd Sq AF o1 o3 o5 o6 o7 o8 12 16 17 18 24 30 32 33 35 36 37 42 44 45 46 47 48 50 51 56 58 62 65 67 70 73 o3E o5A o6R o6Rb 16A 30B 30Bj1 37K 42R 42Rb 44L 44Lc 48L 56F 56Fa 56Fs 56Fv 65A 65Ai 65D 65Df 65Dg 65Ds 65Dv 65F 65Fr 65Fp 65Fz 70C 70Ce 73A 73Ab 73Ad 73Ad2

Oecophoridae

202. *Agonopterix subpropinquella* (Stainton,1849) Fig. 73, Map 35

Synonym(s): *subpropinquella* Stainton,1849; *rhodochrella* Herrich-Schäffer,[1854]; *thoracica* Lederer,1855; *sublutella* Staudinger,1859; *variabilis* Heinemann,1870; *crispella* Lhomme,1929; *amilcarella* Lucas,1951. Range (in code): DZ Phv PT ES FR Co IT MT IE GB BE NL LU DE CH AT PL CZ HU YU AL GR Cr TR LB Bei DK SE LV RU MD UA BY IR Fa Shr SA YE o5 46 65 71 o5A 65D 65Df. Prep. no: GP2454♂

This species is new for the fauna of Van Province.

203. *Agonopterix thapsiella* (Zeller,1847) Fig. 74, Map 36

Synonym(s): *thapsiella* Zeller,1847; *feruliphila* Millièrre,1866; *linolotella* Lhomme,1929 Range (in code): DZ Bsk TN Gf PT ES FR Sa Si MT HV HU GR Cr TR Cc 16 46 65 76 16A 65D 65Df. Prep. no: GP2457♂

This species is new for the fauna of Van Province.

204. *Depressaria fuscovirgatella* Heinemann,1967 Fig. 75, Map 37

Synonym(s): *fuscovirgatella* Heinemann,1967; *pagmanella* Amsel,1972 Range (in code): RU Da Cc AM TM Kp KG Tk TR IR Kh KuB AF Pag Kab MN 65 69 65D 65Df 69B 69Ba. Prep. no: GP2382♂

Material studied: 5♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

This species is new for the fauna of Van Province.

Pterophoridae

In the studying area, several species of this family have been collected mostly by light trap. The prominent groups are as follows; *Pterophorinae* (*Stenoptilia* spp., *Platyptilia* spp. *Oxyptilini* spp., *Merrifieldia* spp., *Wheeleria* spp.). Their specific identities are still under examination.

Pyralidae**205. *Acritonia comeella* Amsel,1954 Map 38**

Synonym(s): *comeella* Amsel,1954 Range (in code): IR Fa TR 13 65 73 13A 13Ab 13Ax 13F 13F38 65D **65Df** 73A 73Ad 73Ad2

This species is new for the fauna of Van Province.

206. *Ancylolomia palpella* ([Denis & Schiffermüller],1775)

Synonym(s): *palpella* [Denis & Schiffermüller],1775; *sovinskyi* Krulikovsky,1909 Range (in code): DZ Lbs Cst PT ES FR IT BE AT SK HU RO YU AL BG GR CY RU MD UA BY IR IQ Shq Amr Mos IL Pa Js LB TR Cc EG TM Kp KG 05 06 10 16 31 33 36 42 46 58 65 71 05A 16A 31M 65A 65An 65D **65Df** 65Dh 65N 65Nb 65Np8 65Nm

207. *Arsissa divaricella* (Ragonot,1887)

Synonym(s): *divaricella* Ragonot,1887; *aurantiacella* Caradja,1910; *velocella* Toll,1948; *firusella* Amsel,1961 Range (in code): UZ Smk TR Cc GG IR Fa Sse Com Ha Ss Kh Th Elb Kdj Nss Km Kd Lo Zj SA SA63 01 12 13 31 46 65 76 12A 12Ab 13A 13Ab 13F 65A 65Am 65Am4 65D **65Df** 65Dh 65Dt 65Dv 76C

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

208. *Arsissa ramosella* (Herrich-Schäffer,[1855])

Synonym(s): *ramosella* Herrich-Schäffer,[1855]; *albiramosella* Caradja,1916; *caradjaella* Zerny,1939 Range (in code): TR RU Sr LB Bei IR Elb Th Kdv Kd Fa Sse Kdj Shr Ha Zj Kh Shh Ab TM Kp Cc AM AF Hr Kab Kbb Pnj Srb Slg PK 05 06 13 42 45 46 47 56 58 65 70 05A 06Y 13F 13F6 56F 56Fs 56Fst 65A 65Am 65Am1 65D **65Df** 65Drd 65Dv 65Dh 65Dt 65Du 65F 65Fe 65Fp 65Fz 65N 65Np2 65Nm 70C 70Ce. This is one of the most common species in the area.

Material studied: 2♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

209. *Asalebria (Exophora) exasperata* (Staudinger,1879) Fig. 45

Synonym(s): *exasperata* Staudinger,1879; *exaspersata* Roesler,1988 Range (in code): TR Cc AM Eri IR Ha Kd 01 05 06 08 13 21 25 30 32 38 42 46 47 58 65 76 05A 06R 13F 13F6 30D 30Dt 42B 65A 65Ac 65Ac3 65At 65At5 65D **65Df** 65F 65Fp 65Fz 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 12 7, 34♂♀ 25 7 2016, M. Kemal & A. Koçak leg.

210. *Bradyrrhoa gilveolella* (Treitschke,1833) Fig. 46

Synonym(s): *gilveolella* Treitschke,1833 Range (in code): Si RO YU AL MK BG GR TR IR Ab Cc AM Eri RU UA Cm KK Na AU 01 05 06 13 16 21 22 23 29 30 31 44 51 58 65 71 77 05A 13A 13Ab 13Ac 13Ag 13Ax 13F 13F6 13F01 13F11 13F38 13F41 16A 21N 21Nb 30B 30Bc1 30Bx 31M 44E 44Eh 44I 44Ic 44L 44Lc 56F 56F1 65A 65Ac 65Ac3 65Am 65Am4 65D **65Df** 65Dh 65F 65Fp 65Fz 65N 65Np2 65Np5 65Nr2 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♀ 12 7 2016, M. Kemal & A. Koçak leg.

211. *Bradyrrhoa imperialella* (Ragonot,1887) Figs. 76-78

Synonym(s): *imperialella* Ragonot,1887 Range (in code): MK GR Cc GG Smt Bjo TR RU Sb 65 76 65A 65Am 65Am4 65D **65Df** 65Dv 76C. Prep. no: GP2388♂

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 4♂ 25 7 2016, M. Kemal & A. Koçak leg.

212. *Catoptria* aff. *colchicella* (Lederer,1870)

Synonym(s): *colchicellus* Lederer,1870. Range (in code): TR Cc GG Akh Smt 12 36 65 75 76 12C 65A 65Am 65Am4 65D **65Df** 75F 75Fd 76C. Prep. no: GP2381♂.

Remarks: Saklıvadi and Bahçesaray populations ¹¹ look like *colchicella* Led. externally, but the male genitalia similar to *Catoptria mytilella* and *colchicella* in some respects. For their precise identities, the east Anatolian populations will be separately studied.

213. *Chrysocrambus craterellus* (Scopoli,1763)

Synonym(s): *craterellus* Scopoli,1763; *rorella* Linnaeus,1767; *klimeschi* Toll,1938; *alpinus* Bleszynski,1958; *abruzzellus* Bleszynski,1958. Range (in code): DZ Cst Clo PT ES FR IT GB BE DE CH AT PL CZ SK HU RO YU AL BG GR RU Ur MD TR Cc Arr CY JO IR Kh LB Bsa 01 05 06 10 13 14 16 22 36 37 38 39 40 46 48 50 58 65 69 71 76 05A 06R 06Rd 10K 10Ka 13G 13Gg 16A 65A 65An 65At 65Au 65B 65Bn 65Bn1 65D **65Df** 65Dg 65Dl 65Dlc 65Fz 65N 65Nc 65Np1 65Np2 65Nm

214. *Cornifrons ulceratalis* Lederer,1858

Synonym(s): *ulceratalis* Lederer,1858; *seriziatialis* Oberthür,1876 Range (in code): DZ Rhr Bsk Gha Ceg Nbr Tou Ogl Heh Gle Gt Ah Ajj TN Gf Cn ES Sa Si IT MT YU AL GR Cr TR SY Dms SA EG IL Pa Hf Js CY JO LB IQ Bgd Dia Kbl KW IR Fa Ss Chh Kz Sde AF PK Sd Krc 07 65 65D **65Df** 65Fz

This species is new for the fauna of Van Province.

215. *Cynaeda (s.str.) gigantea* (Staudinger,1879)

¹¹ The authors noted down about this species in their previous paper (Kemal & Koçak, 2017: 167, nr.337).

Synonym(s): *#gigantea* Wocke,1871; *gigantea* Staudinger,1879 Range (in code): FR CH HU YU GR Cr TR IQ Hjo Ssa IR Fa Shr Com Sse GlS IL Pa LB Bsa AF Slg Pnj Pag Adr KG Uk o5 o6 o8 13 14 21 23 38 42 44 46 50 56 58 65 76 o5A o6K o6Kb o6R o6Rk 13A 13Ab 13Ax 13F 13F6 14B 14Bb 21L 21Lc 38H 38Hc 44E 44Eh 50G 56F 56F1 56Fb 58G 65A 65Ac 65Ac3 65Am 65Am1 65D **65Df** 65Dt 65Du 65Fz 65N 65Np1 65Nr4 65Nm 76C

216. *Dolicharthria punctalis* ([Denis & Schiffermüller],1775)

Synonym(s): *punctalis* [Denis & Schiffermüller],1775 Range (in code): TN Sfx Elk PT ES FR Co Sa Si IT GB NL DE CH AT CZ SK HU RO B-H Sjn HV YU AL BG GR Cr CY TR DK SE FI EE IR Elb Mz Th Kdj Kdv Fa Sse Ss Kh Gh Tgo Pa IL AF Anh o1 o5 o6 14 16 31 33 36 39 42 46 56 61 65 71 o5A 16A 31M 33A 33Ac 36D 36Db 56F 61K 61Ka 65D **65Df** 65Fz 65N 65Nc 65Nc4 65Nf

217. *Ecpyrrhorhoe diffusalis* (Guenée,1854)

Synonym(s): *carnealis* Dup.,1831 *nec* Treit.1829; *diffusalis* Guenée,1854; *affusalis* Guenée,1854; *tenuialis* Mann,1862. Range (in code): Cn MA TN ES FR IT CH HU RO YU HV AL BG GR IL Pa Hf TR IR Fa Shr Com Ss Th Kdj Ha Mz LB Bsa AF Pic Kab Srb Bsg Pag PK Cp UA Lvv Cc GG Tbl Bjo AZ Kir Nv Ord AE IN o1 o5 o6 13 16 21 31 38 42 44 46 47 56 60 65 71 73 o5A o6R 13A 13Ab 13Ax 13F 13F6 16A 21L 21Lc 31K 31Ka 31Ka3 31M 44I 44Lc 44L 46G 46Gf 56F 56F1 65A 65Am 65Am1 65Am2 65Am4 65Ab 65Aba 65D **65Df** 65Dg 65Dv 65Dt 65Ds 65F 65Fç 65Fp 65Fz 65N 65Np6 65Nm 73A 73Ad 73Ad2

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 5♂ 25 7, 1♂ 28 8 2016, M. Kemal & A. Koçak leg.

218. *Ephelis cruentalis* (Geyer,[1832])

Synonym(s): *cruentalis* Geyer,[1832]; *bourjotalis* Duponchel,1833; *badialis* Treitschke,1835 Range (in code): FR Si IT YU BG GR Rd Cr TR LB Cc GG Tbl Mng Lag AM AZ IL Pa Hf EG IR Fa Sse Elb Th Kdj Nss Kdv Gor Kh IQ Ry Shq AF Adr Shv Kab KG Slu Syr o1 o5 o6 12 13 16 21 25 30 31 33 34 35 36 38 39 42 44 46 49 56 58 63 65 76 80 o5A o6K o6Kb o6R 12E 12Ed 13F 13G 13Gü 13Gw 16A 21L 21Lf 30B 30Bc1 30Bx 30D 30Dx 31M 36D 36Db 42K 44L 44Lc 49D 49Db 56D 56Dc 56F 56Fb 56Fç 56F1 58G 58R 58Rb 65A 65Ai 65Ac 65Ac3 65Aba 65D **65Df** 65Dh 65Di 65Dlc 65Dt 65Du 65Dv 65F 65Fp 65Fz 65H 65Hb 65K 65Kç 65Kç 65Np2 65Nr2 65Nm 76C 80B 80Bc

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

219. *Ephestia (Anagasta) welseriella* (Zeller,1848)

Synonym(s): *welseriella* Zeller,1848; *modestella* Lederer,1863; *tephrinella* Lederer,1870; *rhenanella* Fuchs,1877; *suffusella* Ragonot,1901; *immodestella* Rebel,1916; *superbella* Lucas,1954; *capricola* Hampson,1927 Range (in code): LY Cy DZ MA TN Gf PT ES Mu FR Co Sa Si IT MT DE CH AT HU RO YU HV MK AL BG GR Cr TR IL Hf Pa LB Bsa Bei RU Cc GG AM AZ IR Mz Elb o5 o6 13 16 42 44 45 46 65 71 o5A 13F 13F35 16A 44L 44Lc 65A 65Am 65Am1 65D **65Df**

Material studied: 1♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M Kemal & A. Koçak leg.

220. *Euchromius bellus* (Hübner,1796) Figs. 79-81

Synonym(s): *bella* Hübner,1796; *bellalis* Hübner,[1825]. Range (in code): MA Ifr DZ Bsk ES An Mu FR Sa Si IT SK HU RO YU BG GR Cr TR RU Cc MD UA BY IQ Rwz Dia Brs Ama IR IL Pa JO Amm LB Bei EG PK Bl Chm o1 o5 o6 12 13 16 17 21 26 29 31 33 35 39 42 44 46 59 65 71 76 80 o5A 12A 12Ab 13F 16A 16E 31O 31M 65A 65Am 65Am3 65D **65Df** 65Dv 76C. Prep. no: GP2405♂

221. *Euzophera (s.str.) imperfectella* Ragonot,1895

Synonym(s): *imperfectella* Ragonot,1895; *xylomorpha* Meyrick,1937. Range (in code): TR IL Hf Pa IQ Ry Shq IR Fa 13 23 31 46 56 65 13A 13Ab 13Ax 13F 31F 31M 56F 56Fm 65D **65Df** 65Fz 65N 65Np2 65Nm

222. *Evergestis boursini* Amsel,1939 Figs.47, 81

Synonym(s): *boursini* Amsel,1939 Range (in code): TR IR Elb Th Kdj Nss 58 65 58N 65D 65Df

This species was described by Amsel (1939) from Sivas (East Turkey), based upon the material of three males collected by Zukowsky in 1936. Later, Amsel (1961: 430) reported this species from northern Iran (Keredj, Nissa 2100m, viii. 1936, leg. Brandt), with the illustration of the female (Tafel vii, fig.249).

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 1 9 2016, A. Koçak leg.

This species is new for the fauna of Van Province. Rare in the studying place, autumnal. Its nocturnal flight from September to October.

223. *Evergestis caesialis* (Herrich-Schäffer,[1849])

Synonym(s): *caesialis* Herrich-Schäffer,[1849]; *saxicolalis* Mann,1862; *mellealis* Zerny,1936 Range (in code): MA Co? IT RO HV B-H MK Och YU BG GR Cr TR IR Elb Shh Th Kdv Plr Dam Ha Adv Fa Com LB Bsa TN Kp IQ Ama AF Pag Pnj 16 46 65 16A 65A 65Ai 65Am 65Am4 65D **65Df** 65Dt 65Du 65Dh 65Fz

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 3♂ 12 7, 2♂ 25 7 2016, M. Kemal & A. Koçak leg.

224. *Evergestis frumentalis* (Linnaeus,1761)

Synonym(s): *frumentalis* Linnaeus,1761; *espanalis* Schawerda,1926 Range (in code): PT ES FR Co Sa IT DE AT PL CZ SK HU RO YU AL BG GR TR Cc AM GG Lag Tbl AZ Kir Len DK SE FI EE LV RU MD UA BY IR TM Kp KG Uk Tk Dj Ii CN Ui Ku Kml o5 o6 o8 13 16 17 32 36 38 42 65 71 76 o5A o6N o6Nc o6R o6Rd o6Rh 13G 13Gw 13Gs 16A 36D 36Db 65D **65Df** 65Dh 65Dx 65Di 65Dlc 65E 65Eb 65Eç 65Fz 65M 65Mc 65Md 76A 76Ac 76Ae 76B 76Bf 76Bh

225. *Evergestis mundalis* (Guenée,1854)

Synonym(s): *mundalis* Guenée,1854; *submundalis* Millière,1882; *permundalis* Marion,1960 Range (in code): ES FR IT BG? GR TR 13 31 44 65 13F 31M 44E 65A 65Am 65Am1 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz 65K 65Kz 65Kg 65N 65Np1 65Np2 65Np4 65Nr2 65Nm

226. *Glaucocharis euchromiella* (Ragonot,1895) Fig. 48

Synonym(s): *euchromiella* Ragonot,1895; *sinualis* Hampson,1900; *rebeli* Osthelder,1941. Range (in code): GR Cr TR Cc AM IR Th Elb 13 31 33 46 56 65 76 13F 31M 56F 65A 65Ai 65D 65Df 65Dv 65Du 65Fz 65K 65Kb 65L 76D 76Dd

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 23 8 2016, M. Kemal & A. Koçak leg.

227. *Homoeosoma sinuellum* (Fabricius,1794)

Synonym(s): *sinuella* Fabricius,1794; *sinuatus* Fabricius,1794; *elongella* Hübner,[1813]; *gemina* Haworth,1811; *flavella* Duponchel,1836; *gioferella* Turati,1934. Range (in code): TN DZ MA PT ES Cue Mu An Snv FR Co Sa IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU B-H HV MK AL BG GR Cr TR DK SE FI EE LV LT RU MD UA BY CY LB KG KK AI IR Elb Th Kdj Clu Shh Gls TM Kp Cc AM Eri Af Hr Pli Blh 01 05 06 07 13 16 21 31 39 44 46 58 65 70 71 75 76 05A 13F 16A 21L 21Lc 31M 65A 65Au 65D 65Df 65Dl 65Dlc 65Fz 75F 75Fe 76C

228. *Hypotia colchicalis* (Herrich-Schäffer,[1855])

Synonym(s): *colchicalis* Herrich-Schäffer,[1855]; *anceschii* Turati,1926 Range (in code): DZ TN Sfx LY ES RU Cc Kr MD UA BY TR IR Ahz Fa Ss Shr Sse SY JO IL LB IQ Ry CY IR TM KG Tk Dj 05 31 38 42 65 70 05A 42B 65D 65Df 65N 65Nb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

229. *Lambaesia fumosella* (Ragonot,1887) Figs. 83-85, Map 39

Synonym(s): *fumosella* Ragonot,1887; *noctileucella* Ragonot,1887 Range (in code): TR Cc IR Elb Th Mz UZ Smk AF Ch 65 76 65D 65Df 76C. Prep. no: GP2536♂

Very rare in the studying place. Nocturnal and autumnal. This species is new for the fauna of Van Province.

230. *Loxostege peltaloides* (Rebel,1932) Fig.49, Map 40

Synonym(s): *peltaloides* Rebel,1932; *halil* Koçak & Kemal,2007 Range (in code): TR 42 46 58 65 69 42B 65D 65Df 65Dh 69B 69Ba

Very rare in the studying place. Nocturnal and autumnal from October to November.

231. *Mecyna trinalis* ([Denis & Schiffermüller],1775)

Synonym(s): *trinalis* [Denis & Schiffermüller],1775; *andalusica* Staudinger,1879; *tripunctalis* Oberthür,1887; *anienalis* Hartig,1941; *joannisalis* Marion,1955; *maroccanensis* Amsel,1956 Range (in code): MA Rf DZ Lbs Anna Agi ES Mu FR Si IT AT CZ SK HU RO YU AL BG GR TR Cc IQ Hjo Mos IR Elb Kdv Plr Mz Gor Ha Adv UA Cc GG Bjo MN 05 06 08 13 23 29 30 44 46 56 61 65 73 76 05A 06R 06Rb 08H 08Hc 13F 13F6 30B 30Bc1 30Bx 44L 44Lc 56F 56Fs 56Fs1 65A 65Ac 65Ac3 65Ai 65At 65At5 65B 65Bo 65Bx 65D 65Df 65Dh 65Dt 65K 65Kd 65Ké 65Kg 65N 65Np2 65Nm 73A 73Ad 73Ad1 76C 76D 76Dd

232. *Metacrambus carectellus* (Zeller,1847)

Synonym(s): *carectellus* Zeller,1847; *lugdunellus* Millière,1868; *truncatellus* Caradja,1916. Range (in code): DZ Anna PT ES FR Co Sa Si IT MT SK HU RO YU AL BG GR Cr RU Sr Cm TR LB Bei IL Pa Hf SY IR Gh Tgo UZ Br Cc AZ Len KG Tk Dj 01 03 13 31 33 42 44 46 65 71 80 13F 31D 44E 65B 65Bo 65Bx 65D 65Df 65Dv 65K 65Kb 65L 65N 65Np 65Nm

Material studied: 19♂♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

233. *Metallosticha argyrogrammos* (Zeller,1847)

Synonym(s): *argyrogrammos* Zeller,1847; *ortneri* Hartig,1938 Range (in code): Si IT RO HV MK Och BG GR TR LB Bsa Bei SY Dms IL Hf Pa IR Fa Shr 05 06 13 16 21 31 38 42 45 46 48 56 65 70 05A 06R 13A 13Ab 13Ax 16A 21L 21Lc 31M 56Fb 65A 65Am 65Am4 65D 65Df 65Du 65Dh 65Fz

234. *Metasia ophialis* (Treitschke,1829)

Synonym(s): *ophialis* Treitschke,1829; *legrandi* Leraut,2001 Range (in code): PT ES FR Co Si IT CH AT CZ SK HU RO B-H YU AL BG GR Cr TR CY 01 05 16 44 46 56 65 05A 16A 56F 56Fb 65A 65Ai 65D 65Df 65Fz

235. *Metasia subtilialis* Caradja,1916

Synonym(s): *subtilialis* Caradja,1916; *#subtilialis* Toll,1948 Range (in code): SY Dms LB Bsa TR IR Fa Sse Shr Yz Elb Th Kdj Kh Tj Pm AF Hr Ca Arh Kab Pnj Slg Gbh Kot 05 06 13 44 46 65 71 05A 13F 44E 44Ee 46G 46Gf 65D 65Df

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 10♂♀ 23 8 2016, M. Kemal & A. Koçak leg.

236. *Metasia suppandalis* (Hübner,[1823])

Synonym(s): *suppandalis* Hübner,[1823] Range (in code): DZ Btina Bsk TN Gf PT ES Mu FR Co Si RO YU AL BG GR Cr TR Cc CY IQ Hjo IR Elb Th Kdj Sse Fa Com Gls 05 06 16 17 33 34 35 42 45 58 65 71 76 05A 06R 16A 33A 33Ac 65B 65Bo 65Bx 65D 65Df 65Kd 65Kg 65N 65Np2 65Nm 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

237. *Myrlaea nigrosquamalis* (Amsel,1950)

Synonym(s): *nigrosquamalis* Amsel,1950 Range (in code): TR IR Fa Sse Com 13 65 13F 13F01 13F35 65D 65Df 65F 65Fp 65Fz

Material studied: 1♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

238. *Nomophila noctuella* ([Denis & Schiffermüller],1775)

Synonym(s): *noctuella* [Denis & Schiffermüller],1775; *hybridalis* Hübner,1796; *indistinctalis* Walker,1859 Range (in code): MA DZ TN Sfx Elk PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR IQ Bgd Dia Shq Amr Kro Bji IR Ahz Ab Elb Dam Plr Mz Enz LB Bsa Bei SY IL Pa Hf AF Hr Bmu Anj Gz Jla Kot PK Mre DK NO SE FI EE LV LT RU MD UA BY PH TW AE Cp Haz Abb C-P Cte ID IN ZA Sro Qba Gea Bsk Onç Ceg Heh Ogl Gle Omy Gtt Ah Ajj Ges Rhr 01 05 06 08 11 13 14 16 17 21 30 31 32 33 34 35 37 38 39 44 46 48 49 55 56 58 60 63 65 71 73 76 80 05A 06R 08H 08Ha 13A 13Aa 13Ab 13Ax 13B 13Ba 13F 13F6 13G 13G6 13Gg 13Gw 13Gü 13Gs 16A 21N 21Nb 21Nc 30B 30Bc1 30Bx 30Br 31A 31H 31M 33A 33Ad 44L 44Le 48L 49F 49Fb 49Ff 55F 56D 56De 56F 56Fo 58G 60G 63D 65A 65Ai 65An 65Am 65Am1 65Am2 65Am3 65Ab 65Aba 65D 65Da 65Dd 65Dda 65Df 65Dh 65Dg 65Dl 65Dlc 65Dr 65Dt 65Du 65Dv 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fb 65Fc 65Fd 65Fp 65Fw 65Fz 65G 65Gf 65Gn 65N 65Nc 65Nc4 65K 65Kb 65Kç 65Kl 65Ku 65Ky1 65Ky1 65L 65Lb 65M 65Mc 65Md 65N 65Nk 65Np 65Np1 65Np2 65Nm 73A 73Aç 73Aç2 73D 73Db 73Df 73Dfb 73Dfc 76B 76Bç 80B 80Bc 80E 80Ea

239. *Paracorsia repandalis* ([Denis & Schiffermüller],1775) Fig. 50

Synonym(s): *repandalis* [Denis & Schiffermüller],1775; *repandata* Fabricius nec Linn.,1758; *pallidalis* Hübner,1796 Range (in code): MA DZ PT ES FR Co Sa IT MT GB BE LU DE CH AT PL CZ SK HU RO YU MK BG GR Cr TR Cc AZ Nv Ord IR Th Kh Fa TM Kp RU MD UA Cm BY AF Kot Srb Bsg Pag Bm US Idp 05 06 13 16 31 38 42 44 45 46 65 70 76 05A 06R 13A 13Ab 13Ax 13F 16A 31K 31Ka 31Ka3 31Ka5 44I 44Ic 44L 44Lc 65A 65Ac 65Ac3 65Ai 65Am 65Am1 65D 65Df 65Dh 65Dg 65Dt 65F 65Fp 65Fz 65N 65Np2 65Nm 70C 70Ce 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 3♂ 12 7, 1♂ 25 7, 2♂ 23 8, 3♂ 28 8 2016, M. Kemal & A. Koçak leg.

240. *Pempeliella ornatella* ([Denis & Schiffermüller],1775) Figs. 86-88

Synonym(s): *ornatella* [Denis & Schiffermüller],1775; *criptella* Hübner,1796; *criptea* Haworth,1811; *ornatalis* Hübner,[1825]; *fraternella* Ragonot,1887; *gigantella* Amsel,1932; *aixella* Lucas,1938; *elbursella* Amsel,1954 Range (in code): DZ Lbs ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Nv Ord DK SE FI EE LV LT RU CN Ui Ku Ju UZ Man MD UA BY Cc AM T-S MA 06 46 58 65 76 65A 65Ab 65Aba 65D 65Df 65F 65Fp 65Fz 76C. Prep. no: GP2486♂

241. *Pempeliella sororiella* (Zeller,1839)

Synonym(s): *sororiella* Zeller,1839; *marilella* Guenée,1845; *jucundella* Mann,1864; *satureiella* Millière,1873; *sororculella* Ragonot,1887; *albicostella* Amsel,1958; *iranella* Roesler,1969; *klimeschi* Roesler,1969; *#minima* Roesler,1969 Range (in code): DZ Bsk PT ES Py FR Co Sa Si IT MT CH AT HU SS YU AL BG GR Cr TR IR Fa Shr Elb Mz IL Pa Hf 06 13 16 21 34 42 46 65 06R 13F 13F11 13F35 13F41 16A 21L 21Lc 65A 65Ai 65D 65Df 65Fz 65N 65Np2 65Nm

242. *Phlyctaenomorpha sinuosalis* (Le Cerf,[1910])

Synonym(s): *sinuosalis* le Cerf,[1910]; *platyphaea* Meyrick,1937. Range (in code): IQ Ama Dk Hjo Ry IR Fa Com Sse TR 07 30 56 65 73 30B 30Bc1 30Bd 30Bx 30C 30Cd 30D 30Dp 30Dx 56F 56F1 56Fm 56Fs 56Fs1 65A 65Ac 65Ac3 65Ai 65Am 65Am3 65Am4 65D 65Dd 65Df 65Dh 65Du 65Dv 65Dt 65F 65Fg 65Fm 65Fp 65Fz 73A 73Ad 73Ad2 73D 73Df

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 25 7 2016, M. Kemal & A. Koçak leg.

243. *Phycita strigata* (Staudinger,1879)

Synonym(s): *strigata* Staudinger,1879 Range (in code): ES TR IR Elb Mz Kdv Kh 01 05 27 46 47 65 05A 65D 65Df 65Dt 65Du 65Dv 65Fz

244. *Psammotis pulveralis* (Hübner,1796)

Synonym(s): *pulveralis* Hübner,1796 Range (in code): ES FR Co Sa IT GB NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK TR IQ Ry LB Bsa NO SE FI EE LV LT RU MD UA BY IR Elb Kdv Gor Shh Fa Sse Ha Yz Kh KG Tk Dj Ii AF Slg Shah Kot Adr Shv Pag 05 06 13 16 42 45 65 71 05A 06B 06R 13F 16A 65A 65At 65At5 65D 65Dd 65Dda 65Df 65Fz 65K 65Kl 65N 65Np7 65Np8 65Nm

Material studied: 1♀, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

245. *Pseudosyria ambustiella* (Ragonot,1887) Map 41

Synonym(s): *ambustiella* Ragonot,1887 Range (in code): Cc AM TR 06 13 38 42 46 56 56F 56Fa 56Fs1 65 76 13F 65D 65Df 76C Prep. no: GP2542♂

Rare in the region. This species is new for the fauna of Van and Siirt Provinces.

246. *Psorosa maraschella* Caradja,1910

Synonym(s): *maraschella* Caradja,1910; *majorella* Roesler,1970 Range (in code): TR IR Elb Mz Th Kdj Ke Fa Sse Nss Se MN 05 13 46 65 05A 13F 13F01 13F6 13F11 13F20 13F35 13F38 13F41 13F42 46G 46Gi 65A 65Am 65Am1 65Am4 65D 65Df 65N 65Np2 65Nm 65K

247. *Pterothrixidia rufella* (Duponchel,1836) Figs. 89-91

Synonym(s): *rufella* Duponchel,1836; *impurella* Duponchel,1837; *luridatella* Herrich-Schäffer,1847; *infuscatella* Herrich-Schäffer,1849; *corsicella* Ragonot,1893; *#pallida* Leraut,2014; *rungsella* Leraut,2014 Range (in code): MA Ifr PT ES Mu FR Co Sa IT MT CH HU RO YU AL BG GR AM Eri Cc TR 05 13 45 44 46 47 32 58 65 70 05A 13A 13Ab 13Aç 13Af 13Ax 13F 13F6 44L 44Lc 47D 65A 65Ac 65Ac3 65Ab 65Aba 65D 65Df 65Dt 65Fz 65N 65Np1 65Np2 65Nm 70A 70Ab. Prep. no: GP2535♂

248. *Pyralis perversalis* (Herrich-Schäffer,[1849])

Synonym(s): *lucidalis* Eversmann,1844 (*praeocc.*); *perversalis* Herrich-Schäffer,[1849]; *narynensis* Zerny,1914; *rubiginetincta* Caradja,1931; *#naryssensis* Amsel,1961 Range (in code): CZ HU RO RU Ur MD UA BY TR Cc GG Ord Kir AZ Nv KG Tk Nrk CN Ui Ku IR Elb Mz Kh LB Bsa 13 25 42 65 76 13A 13Ab 13Ax 13F 65A 65Ac 65Ac3 65B 65Bo 65Bx 65D 65Df 65Fz 65N 65Nf 65Np2 65Nm 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 25 7, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

249. *Pyrasia gutturalis* (Staudinger,1879)

Synonym(s): *gutturalis* Staudinger,1879 Range (in code): TR LB Bsa SY Dms IQ Hjo IR Fa Shr Sse Com Elb Mz 01 07 13 21 31 45 46 47 56 65 070 13F 21L 21Lc 21N 21Nb 31F 31M 46G 46Gi 56F 56Fa 65A 65An 65Am 65Am1 65Am4 65D 65Df 65Dh 65Ds 65Du 65Dv 65N 65Np6 65Nm

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

250. *Pyrausta amatalis* Rebel,1903

Synonym(s): *amatalis* Rebel,1903 Range (in code): BG Slv SY TR Cc GG Akh 05 46 65 05A 46G 65A 65Am 65Am3 65D 65De 65Dn 65Df 65F 65Fb 65Fz

Material studied: 3♂ [heliophil], Van Pr., Çatak, Saklıvadi 2030m, 4 6 2015, M. Kemal & A. Koçak leg.

251. *Pyrausta despicata* (Scopoli,1763)

Synonym(s): *despicata* Scopoli,1763; *koenigiana* O.F.Müller,1764; *vestianella* Clerk,1764; *cespitalis* [Denis & Schiffermüller],1775; *sordialis* Thunberg,1784; *intermedialis* Duponchel,1833; *tendinosalis* Bremer,1874; *yangtsealis* Caradja,1938; *ifranalis* Leraut,2001 Range (in code): MA Ifr PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO SS YU AL BG GR Cr TR IQ Rwz Amr DK NO SE FI EE LV LT RU Cc GG CY IR Ab Elb Shh Th Fa Shr Com Ha Plr Kdv Mz AF Hr Bmu Slg Pnj BdA Pic Kab Arh Srb Ca Gbh Adr Fz Khi Pag Pli UZ Fe CN Ui AZ AM Ju Ku LB Bsa PK Abb Sro Mz Sb Yu Uk JO KG DZ Lbs BY MD UA Cm Lvv Da Aa VI KP KR 01 05 06 11 13 14 16 17 21 24 25 31 32 33 34 42 46 51 55 56 58 65 71 76 05A 06R 06Rd 13A 13Ab 13Ax 13B 13Bg 13G 13Gf 13F 13F6 13Gö 13Gö 13Gw 16A 21L 21Lf 31M 55F 56D 56Dd 56F 56F1 58G 58Gg 65A 65Ac 65Ac3 65Ai 65As 65Am 65Am1 65Am4 65At 65At5 65D 65Df 65Dg 65Dga 65Dh 65Du 65Dw 65G 65Gn 65F 65Fb 65Fç 65Fp 65Fz 65K 65Kb 65Ké 65Kl 65Ku 65Kg 65L 65Lb 65N 65Nk 65Np 65Np7 65Np8 65Nr2 65Nm 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 12 7, 1♂ 25 7, 1♂ 23 8, 10♂ 28 8 2016, M. Kemal & A. Koçak leg.

252. *Pyrausta limbopunctalis* (Herrich-Schäffer,[1849])

Synonym(s): *limbopunctalis* Herrich-Schäffer,[1849] Range (in code): PT ES An Grn Sa RU TR Cc Kus Da AM IQ Ry IR Elb Th Mz Ha Dam Kdv 05 06 16 25 30 33 38 42 46 51 58 65 69 76 05A 06R 16A 25N 25Na 30B 30Bb 30Bk 38C 38Ca 42B 51B 51Bc 65A 65Ac 65Ac3 65Ab 65Aba 65Bx 65D 65Df 65Dg 65Dga 65G 65Ge 65Gv 65Gz 65F 65Fw 65Fz 65K 65Kd 65Kg 69B 69Ba 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 12 7 2016, M. Kemal & A. Koçak leg.

253. *Pyrausta pavidalis* Zerny,1935

Synonym(s): *pavidalis* Zerny,1935; *krimensis* Budashkin & Martin,1993 Range (in code): TR Cm 01 25 46 65 70 25A 46G 65A 65Ai 65Am 65Am4 65D 65Df 65F 65Fp 65Fz 65N 65Np 65Np1 65Np7 65Np8 65Nm 70C 70Cf

254. *Pyrausta sanguinalis* (Linnaeus,1767)

Synonym(s): *sanguinalis* Linnaeus,1767; *crentalis* Scriba,1770; *haematalis* Hübner,[1819] Range (in code): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR Cr TR DK NO SE FI EE LV RU MD UA BY Cc GG AZ Tbl Bjo Kir Lag AM Eri IL Pa Hf LB CY IR Gh Tgo Ana Ke Fa Shr Com Elb Kh Th Mz Plr Gor AF Pag Kot Bkt Asm Arh Hr Slg Bsg Gbh Srb Pl Nv Ord Len Mz Glis DZ Bsk Clo TN Gf CN Ui Ku Js MA DZ 01 05 06 07 13 16 17 30 31 33 34 39 44 54 56 65 69 70 71 73 80 05A 06R 06Rb 13A 13Ab 13Ax 13F 13Fo1 13F41 16A 31K 31Ka 31M 33A 33Ac 44L 44Lc 56F 56Fo 65A 65Am 65Am1 65D 65Df 65Ds 65Fz 70C 70Ce 73E 73Eb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 3♂ 12 7, 2♂ 25 7 2016, M. Kemal & A. Koçak leg.

255. *Stemmatophora brunnealis* (Treitschke,1829)

Synonym(s): *brunnealis* Treitschke,1829; *phaealis* Hampson,1900; *ocellata* Rothschild,1915; *lividalis* Constantini,1922; *#nigrobrunnealis* Schawerda,1941 Range (in code): MA DZ Anna Gue Ges TN PT ES FR Sa Si IT MT CH AT CZ SK HU RO HV YU MK BG GR CY IL TR Cc AZ Kir Lag GG LB IQ Bgd TM Kp 05 13 17 44 46 65 05A 13F 44L 44Lc 46G 46Gi 65D 65Df 65F 65F1 65Fz

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 6♂ 28 8 2016, M. Kemal & A. Koçak leg.

256. *Tegostoma perlepidalis* (Guenée,1854) Fig. 51

Synonym(s): *#lepidalis* Herrich-Schäffer,[1851]; *perlepidalis* Guenée,1854; *lepidalis* Herrich-Schäffer,[1855]; *#lepidale* Caradja,1917 Range (in code): TR Cc AM Eri AZ Nv Ord IQ IR Elb Kdj Th Ha Adv Fa Sse Shr AF Kab 05 06 13 42 56 65 71 05A 06R 13A 13Ab 13Ax 13F 56F 56F6 65D 65Df 65F 65Fo 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np2 65Nm

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

257. *Udea confinalis* (Lederer,1858) Fig. 52

Synonym(s): *confinalis* Lederer,1858; *graecalis* Staudinger,1870 Range (in code): GR TR Cc SY Dms IQ Ry Hjo IR Elb Nss Com Kz Th Fa Kh 13 46 65 76 13A 13Ab 13Ax 13F 13F6 65A 65Ac 65Ac3 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65Fz 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 7♂ 12 7, 54♂♀ 25 7, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

258. *Udea dispunctalis* (Guenée,1854) Fig. 53

Synonym(s): *#bipunctalis* Herrich-Schäffer, [1851]; *dispunctalis* Guenée, 1854; *bipunctalis* Herrich-Schäffer, [1855]; *silvalis* de Joannis, 1891 Range (in code): PT ES Mu Grn FR Si Cr TR Cc GG Bjo RU IR Kh 13 38 42 46 65 76 13F 13F6 42B 65A 65Ab 65Aba 65D 65Df 65Fz 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂ 12 7, 1♂ 23 8 2016, M. Kemal & A. Koçak leg.

259. *Udea ferrugalis* (Hübner, 1796)

Synonym(s): *ferruginalis* Rossi, 1794 nec Fabr., 1781; *ferrugalis* Hübner, 1796; *#ferugalis* Hübner, 1796; *martialis* Guenée, 1854; *hypatialis* Walker, 1859; *testacea* Butler, 1879 Range (in code): DZ MA PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV RU MD UA BY IL Pa Hf LB Bsa IR Ahz Elb Mz Kdv Dam Plr Gor Kdj Km Th Fa Shr Sse Kh Gh Tgo IQ Dia Bgd Rwx AF Ca Arh Khi Adr Fz Bsg Hr Blh IN LK MM ET JP TW TH CMA Dst Dso9 Cc GG Tbl Lag Len AZ Sok Cn AE Ajj Clo 01 03 05 06 07 13 14 16 17 26 31 32 33 34 35 38 42 44 46 48 49 56 58 63 65 71 75 76 80 05A 06R 06Rb 13A 13Ab 13Ax 13F 13G 13Gö 13Gg 16A 31K 31Ka 31M 44E 44L 44Lc 48L 49F 49Fb 56F 63D 65A 65Ai 65Am 65Am2 65Am4 65D 65Df 65Du 65Dv 65F 65Fd 65Fp 65Fz 65K 65Kl 65Ku 65N 65Ne 65Nc4 65Np1 65Nm 75F 75Fb 76D 76Dd 80B 80Bc

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 2♂ 25 7 2016, M. Kemal & A. Koçak leg.

260. *Udea praepetalis* (Lederer, 1869)

Synonym(s): *praepetalis* Lederer, 1869; *haemopsamma* Meyrick, 1937 Range (in code): IR Ha Adv Fa Th Kdj Elb Kdv Mz Plr Gor Sse TR Cc AZ Nv Ord IQ Ry Slf TM KK CN Ui Kml 04 05 13 25 30 42 46 51 56 58 65 69 71 76 05A 13A 13Ab 13Ax 13B 13Bd 13F 25A 30B 30Bc1 30Bx 56F 56F1 56Fn 65A 65Am 65Am1 65B 65Bo 65Bx 65D 65Df 65Dl 65Dlc 65Dx 65F 65Fr 65Fp 65Fz 65H 65K 65Kd 65Kg 65Kl 65N 65Np2 65Nr2 65Nm 69B 76C

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 7♂ 12 7, 2♂ 25 7 2016, M. Kemal & A. Koçak leg.

261. *Uresiphita gilvata* (Fabricius, 1794)

Synonym(s): *polygonalis* sensu [Denis & Schiff.], 1775 nec Linn., 1767; *#limbalis* [Denis & Schiffermüller], 1775; *gilvata* Fabricius, 1794; *orientalis* Fabricius, 1796; *diversalis* Hübner, 1796; *rusticalis* Hübner, 1796; *aversalis* Guenée, 1854; *consanguinalis* Guenée, 1854; *teriadalis* Guenée, 1854; *deprivalis* Walker, 1859; *meridionalis* Wocke, 1871; *virescens* Butler, 1881; *gracilis* Caradja, 1916; *ochrocrossa* Clarke, 1971 Range (in code): TN Sfx PT ES FR Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO YU BG GR Cr CY DK RU UA BY TR IL Pa Hf LB Bsa IQ Mos Brs Dia Amr Ssa IR Ahz Fa Shr Se Ha Gl Elb Th Kdj Lo KG Tks AF Hr Bmu Kab Srb Arh Gbh Bsg Blh Dwe Bkt PK Cp Gg ZA Tva Lpo Spb Hgl Mdk Cm Lvv VI Ur Tv Lj Sd Krc Lbs An Grn Bei DZ Gtt Onç Anna Orn Ges 01 05 13 16 30 31 33 45 46 56 65 71 80 05A 13A 13Ab 13Ax 13F 16A 30D 30Dx 31K 31Ka 31M 46G 46Gf 46Gi 56F 56F1 65D 65Df 65Dv 65F 65F1 65Fz 65N 65Ne 65Nc4

Spingidae

262. *Hyles euphorbiae* (Linnaeus, 1758)

Synonym(s): *euphorbiae* Linnaeus, 1758; *esulae* Hufnagel, 1766; *vandalusica* Ribbe, 1910; *etrusca* Verity, 1911; *sinensis* Closs, 1917; *rothschildi* Stauder, 1928; *dolomiticola* Stauder, 1930; *filipjevi* O.Bang-Haas, 1936; *lucida* Derzhavets, 1980. Range (in code): Md Cn MA DZ TN PT ES FR Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd DK SE FI EE LV LT RU Ao Sr Sb Ur MD UA Bkw BY AZ Tlh IR Elb Th CN Ui Ku Muz TJ Pm TR Cc GG Smt Bjo Tbl JO IL Pa Hf LB Bsa Bei IQ SY Dms IR Elb Th 01 05 06 07 09 10 13 14 15 16 17 20 21 24 25 30 32 33 35 36 42 45 46 47 48 50 51 56 58 60 63 65 70 73 76 01H 05A 06R 06Ra 06Re 10C 10D 13A 13Ab 13Ac 13Ax 13F 16A 21L 21Lc 21N 21Nb 24G 25C 25Ca 30B 30Bd 30Bx 30D 30Da 30Df 36D 51D 47F 47Fa 48G 48Gb 56F 56Fh 56Fa 56Fs 58G 58Gg 60C 63B 65A 65An 65Am 65Am1 65Ac 65Ac3 65B 65Bo 65Bx 65D 65Df 65Dg 65Dga 65F 65Fb 65Fe 65Fg 65Fz 65N 65Ne 65Nc4 65Np 65Np1 65Np2 65Nm 70C 70Cf 73C 73Cd 73D 73Da 76A 76Ac 76B 76Bb

Material studied: Van Pr., Çatak, Saklıvadi 2030m, 1♂1♀ 23 8, 1♂ 1 9 2016, M. Kemal & A. Koçak leg.

Tortricidae

See also: Kemal & Koçak, 2016b.

263. *Aethes kasyi* Razowski, 1962

Fig. 92, Map 42

Synonym(s): *kasyi* Razowski, 1962; *speciosa* Razowski, 1962 Range (in code): IT MK TR IR Fa Elb Th Kdj Gor Kd Snj Ha Es JO Amm SK Cm SY AF 06 13 46 47 65 06R 13A 13Ab 13Ax 46G 46L 65A 65Am 65Am1 65D 65Df 65N 65Np 65Nm . Prep. no.: GP2410♂

Material studied: 2♂, Van Pr., Çatak, Saklıvadi 2030m, 25 7 2016, M. Kemal & A. Koçak leg.

264. *Cochylimorpha diana* (Kennel, 1899)

Fig. 93

Synonym(s): *diana* Kennel, 1899; *iraniana* Razowski, 1963 Range (in code): RU TR Cc IL Js Jt Pa JO Amm LB Baa SY Dms IR Fa Ab Oru Skn Bzg Qz Th Kdj Ma Fa Kz TM 06 13 26 42 44 46 47 58 65 76 06F 06R 13A 13Ab 42R 44L 47D 58N 65D 65Df 65F 65Fg 65N 65Nb 65Nc 76C. Prep. no.: GP2397♂

265. *Cochylis posterana* Zeller, 1847

Synonym(s): *posterana* Zeller, 1847; *collaterana* Seebold, 1879; *nigrociliana* Kennel, 1899; *cuerana* Chrétien, 1925 Range (in code): MA DZ PT ES An Grn FR Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK SE FI EE LV LT RU MD UA BY LB Say SY Dms Cc AM Eri KK Ik IR KuM Kh Elb Kdv Th GlS Gor Es Se Zj Ha Bk Ab Mak Ar Lo Ak Fa Sse TM Kp IQ Hjo CN Ui Ku

Gn 01 05 06 14 15 16 17 30 38 42 46 49 65 05A 16A 17C 30D 30Db 42B 49F 49Fb 65A 65Am 65Am4 65D 65Df 65F 65Fc 65Fe 65Fp 65Fz 65N 65Np1 65Nm

266. *Cochylis roseana* (Haworth,[1811]) Fig. 94, Map 43

Synonym(s): *roseana* Haworth,[1811]; *rubellana* Hübner,[1823]; *dipsaceana* Duponchel,1843; *undulatana* Kennel,1899. Range (in code): ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR RU MD UA BY KG UK IR Elb Th CN Gn 33 65 65D 65Df. Prep. no: GP2404♂

This species is new for the fauna of Van Province.

267. *Dichrorampha vancouverana* McDunnough,1935 Fig. 95

Synonym(s): *strigana* Haworth,[1811] nec [Denis & Schiff.],1775; *politana* Guenée,1845 (preocc.); *vancouverana* McDunnough,1935; *gueneana* Obraztsov,1953 Range (in code): ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO DK NO SE FI EE LV LT RU Us Sb MD UA Cm BY KG TR CA BCo 65 65A 65D 65Df. Prep. no: GP2400♂, 2401 ♂

This species is new for the fauna of Van Province.

268. *Eugnosta magnificana* (Rebel,1914) Map 44

Synonym(s): *margaritana* Hübner,[1813] nec Haw.,[1811]; ? *norvichiana* Hübner,[1817] [nomina dubia!]; *magnificana* Rebel,1914. Range (in code): ES FR Si IT DE SK HU RO YU MK RU Sr MD UA BY TR Cc AM IR Elb Dam Kdv Ar Th Kh Ak AF KG UK T-S CN Ui Ku IMn 06 13 26 42 50 58 65 71 06R 06Rb 13G 13Gw 50G 50Gc 58G 65A 65Ab 65Aba 65Bx 65D 65Df 65G 65Ge 65K 65Ku

269. *Lobesia (s.str.) bicinctana* (Duponchel,1844)

Synonym(s): *bicinctana* Duponchel,1844; *lugdunana* Guenée,1845; *spiraee* McDunnough,1938 Range (in code): ES FR Si IT DE CH AT PL CZ SK HU RO YU AL BG TR DK NO SE FI EE RU Sb Us MD UA BY CN Mc MN JP Hkk CA Nsc 65 65D 65Df 65Fz

This species is new for the fauna of Van Province.

270. *Notocelia incarnatana* (Hübner,[1800])

Synonym(s): *incarnatana* Hübner,[1800]; *incarnana* Haworth,1811; *amoenana* Hübner,[1817]; *longispina* Nasu,1980 Range (in code): PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR TR DK NO SE FI EE LV LT RU Sb Prj Us MD UA BY IR GlS CN Ui Ku KG TM MN JP Hkk 01 05 14 65 75 01K 05A 65D 65Df 75F 75Fd

This species is new for the fauna of Van Province.

271. *Pelochrista dagestana* (Obraztsov,1949)

The authors collected an important material of *Pelochrista* Led. last year, especially from Saklıvadi. Superficially the species resembles to *arabescana*-species group (Obraztsov,1949), but differs from all the known species to some degree.

The genus *Pelochrista* Lederer is currently represented in Turkey by eleven species. The Saklıvadi populations are somewhat similar to *arabescana* Eversmann,1844, but it is easily distinguishable from it by the external and genitalic characters of the male. Nedoshivina (2007) designated a male as Lectotype of *arabescana* and illustrated it together with the male genitalia, that we compared. There is also some similarity of the male genitalia of *Pelochrista dagestana* Obraztsov,1949 (= *pinxana* Kuznetsov,1976, sensu auct.), based upon a single male. However, the fore-wing markings of *dagestana* is different from Saklıvadi populations. Another similar species is *Pelochrista ruschana*, described and illustrated by Obraztsov (1943) from Pamir (Tadjikistan). The drawn male genitalia was given afterwards with the name "*rushana*" (Obraztsov, 1949). This species differs in the male genitalia from Saklıvadi populations.

After taking the wing markings and the male genitalia into consideration, the authors came to the conclusion that Saklıvadi populations belong to *Pelochrista dagestana* (Obraztsov,1949).

Obraztsov described "*Pseudeucosma dagestana*" from a single male, collected from "Ussuch-tshaj" village near Achty (Dagestan) at 800m above sea level. Another taxon described by Kuznetsov in 1976 from Azerbaidjan is *pinxana*. This taxon was considered by Kuznetsov (1978) as a subspecies of *Pelochrista dagestana* Obr. Razowski (2003) followed this taxonomical approach. However, some authors considered *pinxana* Kzn as junior synonym of *Pelochrista alexinschiana* (Peiu & Nemeş,1968)¹², and finally as a synonym of *Pelochrista dagestana* Obr. We follow here Kuznetsov (1978), and Razowski (2003) and consider here *pinxana* Kzn. as a subspecies of *Pelochrista dagestana* Obr. (stat. rev.)

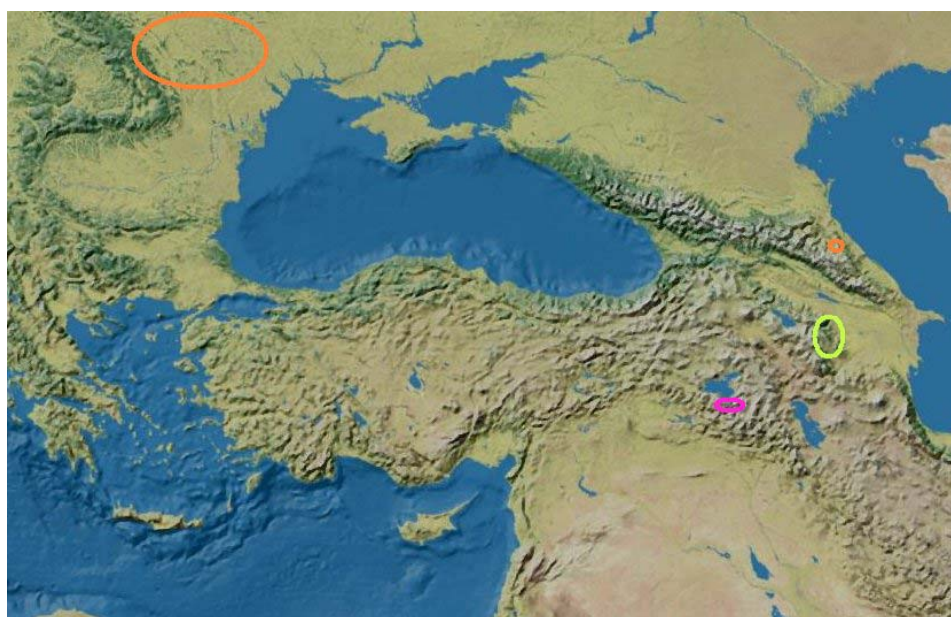
Distribution of *Pelochrista dagestana* Obr. is briefly as follows (Map 1):

Nominate subspecies: *Pelochrista dagestana dagestana* Obr. from Ukraine to northern Caucasus (Daghestan).

¹² http://www.lepiforum.de/lepiwiki_vgl.pl?action=browse&id=Pelochrista_Alexinschiana&revision=12 [last access: 1 2 2017]

Subspecies: *Pelochrista dagestana pinxana* Kzn. From Azerbaidjan.

Subspecies: *Pelochrista dagestana alpicola* n. ssp. (see description below).



Map 1 – Approximate localities of the subspecies of *Pelochrista dagestana* Obr. Orange: nominate *dagestana*, green: *pinxana*, pink: *alpicola*

Kuznetsov (1978) mentioned the diagnostic characters of the nominate *dagestana* and *pinxana* in his identification key as follows; *dagestana*: “hindwing light gray and lustrous”, *pinxana*: “hindwing dark gray, not lustrous”.

Table 1 – Comparison of wing markings and colouration. Fw. Forewing, Hw. Hindwing. Characters of *dagestana* (Kuznetsov, 1978; Razowski, 2003); characters of *pinxana* (Kuznetsov, 1978); Characters of *alpicola* (present material)

characters \ taxa	<i>dagestana</i>	<i>pinxana</i>	<i>alpicola</i>
Fw. Costal striae	white	?	absent
Fw. Dorso-postbasal fascia	atrophied	more or less developed	developed up to costa
Fw. Median fascia	expanded near edge of median cell; almost “horse head”-shaped	different shape developed up to costa	not expanded near edge of median cell; almost quadrilateral-shaped.
Fw. subapical fascia near costa	circular	triangular	oval, semi circular
Fw. submarginal fascia	undate	undate	undate
Fw. subanal fascia	semicircular	quadrilateral	quadrilateral
Hw. colouration	light gray, whitish- brownish, lustrous	dark gray, non lustrous	dark brown, non lustrous

***Pelochrista dagestana alpicola* n. ssp.**

<http://zoobank.org/urn:lsid:zoobank.org:act:DC6F21EA-A6B2-4977-9128-0806A9CC1AD6>

Description (see also **Tab.1**): Holotype ♂ (**Figs. 98, 99**)

Forewing: 11mm, **Wingspan:** 23mm. **Forewing upperside:** Almost triangular, costa slightly convex, apex pointed. Tri-coloured. Transversal fasciae beige, with more or less developed cinnamon coloured central area. Interfascial areas dark cinnamon-dark brown. Costal striae absent. Postbasal fascia broad, almost complete. Median fascia broad; below cell, side edges of median fascia almost parallel. Subanal beige fascia well developed reach to outer half of costa. Subapical fascia semi-circular. Submarginal fascia undate. Postbasal and median fasciae anastomose near costa. Ciliae beige. **Forewing underside:** Dark brown, costal and anal margins with yellowish-beige ornamentalions.

Hindwing: Upperside uniformly dark brown, non lustrous. Apical and marginal area with more or less developed beige markings. Ciliae uniformly creamy, only basal part dark brown. Underside uniformly dark brown but slightly paler than upperside.

Male genitalia: Paratype (GP2385) (**Fig. 96**): *Uncus* slightly developed, round, without median incision as in *dagestana*. *Socii* large, long. *Costa* almost straight. *Pulvinus* U-shaped, not

subtriangular as in *dagestana*. Ventral incision of *valva* different from *dagestana*, angle of *sacculus* clearly obtuse, not right as in *dagestana*. Neck of *valva* very short. *Aedeagus* with *cornuti*. In *dagestana*, *cornutus* neither expressed, nor drawn in male genitalia (Razowski, 2003), but Obraztsov (1949) mentioned a single *cornutus* (see also remark below).

Female genitalia: Paratype (GP2387) (**Fig. 97**): *Sterigma*, *colliculum* similar to those of *arabescana*. *Signum* large roundish. *Bursa copulatrix* contains a single *cornutus* (see remark below). Female genitalia of nominate *dagestana* unknown (Razowski, 2003).

Paratypes: ♂♂: **Forewing:** 8-11 mm, average: 9,87mm, **wingspan:** 19-24mm, average: 21mm.

♀♀: **Forewing:** 9.5-10.5mm, average: 10mm, **wingspan:** 20.5-22.5mm, average: 21.5mm. Markings and colouration vary to some degree. However, in three specimens among the materials hindwing upper- and underside whitish. Their markings on the forewing paler than the typical form. We call this white form as an individual variation (**f. n. albescens** (**Figs. 100, 101**)). Among the 38 specimens, 3 ex. [f. *albescens*] are represented by 7.89% in the population.

Type-series (38 specimens): Holotype ♂, TR- Van Pr. Çatak Saklıvadi 2030m (65Df) 01 09 2016, A. Koçak leg.; Paratypes: 1♂ [f. *albescens*] Van Pr. Gevaş Artos Mt. 1950m (65Fp) 11 8 2012 M Kemal & A Koçak leg.; 1♂ [f. *albescens*] Van Pr. Bahçesaray Meteo St. 2570m 10 8 2016, diurnal M Kemal leg.; 1♀ [f. *albescens*], 1♀ Van Pr. Çatak Saklıvadi 2030m (65Df) 23 08 2016 M Kemal & A Koçak leg. (GP2387♀); 33 ♂♂: Van Pr. Çatak Saklıvadi 2030m, 1♂ 25 7 2016 M. Kemal & A. Koçak leg.; 2♂♂ 23 08 2016 M Kemal & A Koçak leg., 2♂♂ 28 08 2016 A. Koçak leg.; 22♂♂ 01 09 2016 A Koçak leg.; 3♂♂ 03 09 2016 A. Koçak leg., 3♂♂ 8 09 2016 A Koçak leg. All the nocturnal specimens were collected by light trap (PAIT)¹³. Biorepository: CESA, <http://grbio.org/cool/eaaz-xyfc>

Adult Phenology and flight time: From July to early September in a single generation. The main flight time is the beginning of September. Nocturnal. However, 1♂ Van Pr. Bahçesaray Meteo St. 2570m 10 8 2016 was captured by day (2.6% in the population). **Habitat:** Mountain steppe at alpine zone, between 1950- 2570m. **Distribution:** Confined to southern mountainous area of Van Lake (East Turkey). Known only from Çatak, Gevaş, and Bahçesaray districts of Van Province.

Briefly, forewing markings and male genitalia of *Pelochrista dagestana alpicola* is different from all known *arabescana*-gr taxa.

Faunistically, this species is reported for the first time for Turkey, and Van Province.

Remark: In the female genitalia *corpus bursae*, there is a single *cornutus*. This may be an evidence of the occurrence of the shedding *cornutus* in *Pelochrista* (cf. Chapman, 1913). Razowski (2003) mentioned no *cornutus* in *Pelochrista dagestana* Obr. Obraztsov (1949) stated a single *cornutus* in the same species. First author prepared the *aedeagus* from Saklıvadi with more than 6 visible *cornuti*. It is possible that the reason of this case is the shedding *cornutus* during copulation, i.e. *cornutus* transferring to female *corpus bursae* (cf. **Figs. 96, 97**).

Yponomeutidae

272. *Yponomeuta malinella* (Zeller, 1838)

Synonym(s): *malinellus* Zeller, 1838 **Range (in code):** DZ ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AM DK NO SE FI EE LV LT RU MD UA BY CN Mc KP KR JP US 05 06 13 45 56 65 05A 06R 06Rb 13A 13Ab 13Ax 56F 56F1 65A 65Ac 65Ac3 65An 65Ai 65D 65Df 65Dlc 65Fz 65N 65Np 65Nm

273. *Ypsolopha excisella* (Lederer, 1855) **Map 45**

Synonym(s): *excisella* Lederer, 1855 **Range (in code):** ES TR MN IR Mz Kh RU At 06 13 65 06R 13A 13Ac 13Ax 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz

Acknowledgement

We sincerely thank to our colleagues for their kind help in supplying our some documentation requirements and microscopic photography: Martin Lödl (Austria), Colin W. Plant (England), Angela Thresher (England), O. Bidzilya (Ukraine), Josep Ylla (Spain), İsmail Yıldız (Turkey).

¹³ <https://archive.org/details/ASimpleButEffectiveLightTrapForInsectsPaitByTheCesa>

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Images in the nature

The butterflies were photographed at the studying locality Saklıvadi in 2016 before sunset, while the moths before sundown.



Figs. 2, 3 - *Plebejus* (s.str.) *argus* (left) on 12 7 2016; *Plebejus* (*Kretania*) *carmon* (right) on the same date.



Figs. 4, 5 - *Polyommatus* (s.str. (*Agrodiaetus* (*Transcaspian*))) *surakovi* (left) on 12 7 2016; *Satyrium* (*Nordmannia*) *abdominalis* (right) on the same date.



Fig. 6 - *Melanargia* (*Turcargia*) *hylata* female at rest on 12 7 2016.



Figs. 7, 8 - *Cossulus argentatus* (right) at rest on 26 7 2016; *Nothris verbascella* (right), on 8 10 2016.



Figs. 9, 10 - *Chesistege korbi* (left), at rest on 8 10 2016; *Euphyia frustata* (right), on 12 7 2016.



Figs. 11, 12 - *Eupithecia gueneata* (left) at rest on 12 7 2016; *Eupithecia oblongata* (right), on 12 7 2016.



Figs. 13, 14 - *Larentia clavaria* (left), on 8 10 2016; *Nychiodes (Eunychiodes) divergaria* (right), on 12 7 2016.



Figs. 15, 16 - *Scopula immistaria* (left), on 26 7 2016; *Thetidia persica* (right) captured by a spider on 12 7 2016.



Figs. 17, 18 - *Lasiocampa eversmanni* (left), on 23 8 2016; *Polymona lapidicola* (right), on 26 7 2016.



Figs. 19, 20 - *Acontia (Uracontia) titania* (left), on 26 7 2016; *Aedophron phlebophora* (right), on 12 7 2016.



Figs. 21, 22 - *Aedophron rhodites* (left), on 12 7 2016; *Argyrospila succinea* (right), on 12 7 2016.



Figs. 23, 24 - *Calamia staudingeri* (left), on 12 7 2016; *Eremobia asiatica* (right), on 12 7 2016.



Figs. 25, 26 - *Eublemma gratissimum* (left), on 26 7 2016; *Eublemma pusillum* (right), on 12 7 2016.



Figs. 27, 28 - *Eugnorisma eminens* (left), on 23 8 2016; *Eugnorisma insignata* (right), on 23 8 2016.



Figs. 29, 30 - *Eulocastra diaphora* (left), on 26 7 2016; *Gortyna (Cervyna) cervago* (right), on 8 10 2016.



Figs. 31, 32 - *Haemerosia renalis* (left), on 26 7 2016; *Heptapotamia eustratii* (right), on 8 10 2016.



Figs. 33, 34 - *Margelana flavidior* (left), on 8 10 2016; *Metopoplus boursini* (right), on 26 7 2016.



Figs. 35, 36 - *Periphanes delphinii* (left), on 12 7 2016; *Phlogophora meticulosa* (right), on 23 8 2016.



Figs. 37, 38 - *Ulochlaena hirta* (left), on 8 10 2016; *Asalebria (Exophora) exasperata* (right), on 12 7 2016.



Figs. 39, 40 - *Bradyrrhoa gilveolella* (left), on 26 7 2016; *Evergestis boursini* (right), on 8 10 2016.



Figs. 41, 42 - *Glucocharis euchromiella* (left), on 23 8 2016; *Loxostege peltaloides* (right), on 8 10 2016



Figs. 43, 44 - *Paracorsia repandalis* (left), on 12 7 2016; *Tegostoma perlepidalis* (right), on 12 7 2016.



Figs. 45, 46 - *Udea confinalis* (left), on 26 7 2016; *Udea dispunctalis* (right), on 23 8 2016.

Male Genitalia



Fig. 47 – *Coleophora* sp. 1, GP2392♂. Male genitalia and abdominal skin (also enlarged). From Saklıvadi 2050m.

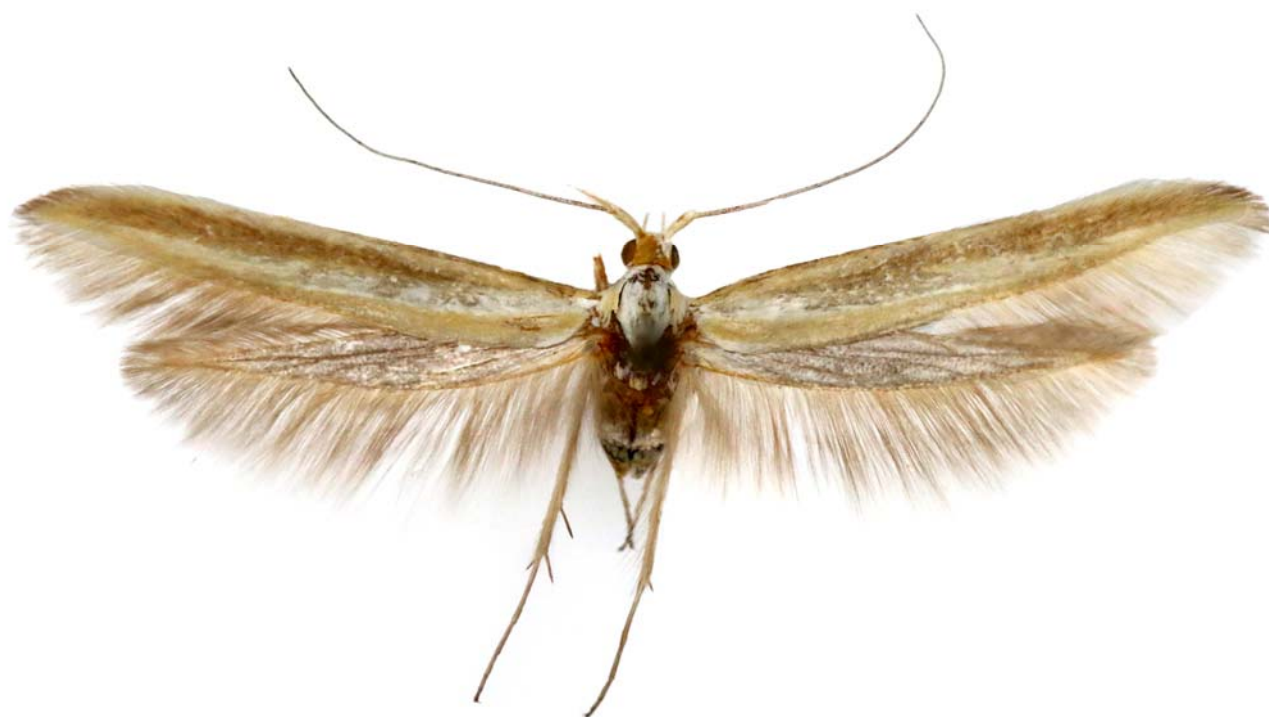


Fig. 48 – *Coleophora* sp. 1, GP2392♂, from Saklıvadi.

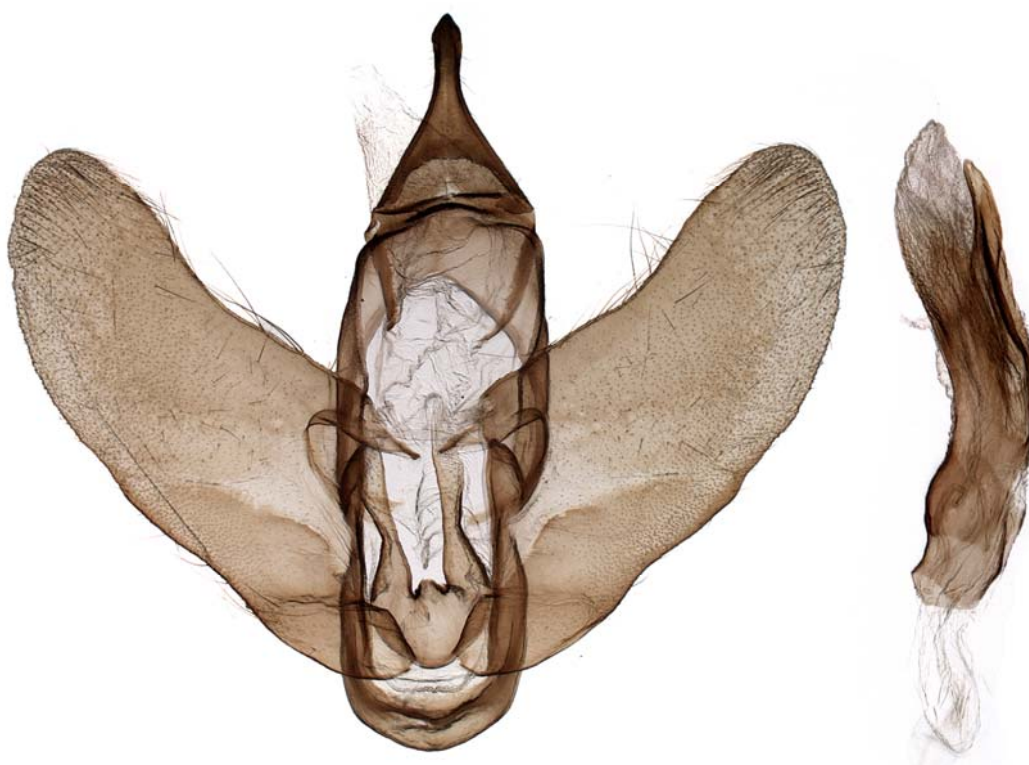


Fig. 49 – *Phragmacossia territa*, GP2477, male genitalia from Saklıvadi.



Fig. 50- *Nothris gregersenii*, GP2383 male genitalia and abdominal skin from Saklıvadi 2030m, 1 9 2016.



Fig. 51 - *Nothris sabulosella*, GP2389 male genitalia from Saklıvadi, sympatric with the previous species.



Fig. 52 - *Nothris verbascella*, GP2384, male genitalia and abdominal skin from Saklıvadi, sympatric with the previous species.



Fig. 53 – *Euphyia frustata*, GP2353 male genitalia (left), and scent organ (right), from Saklıvadi.



Figs. 54, 55 – *Euphyia frustata*, GP2353, tympanal organ: before preparation (left), after preparation (right).



Fig. 56 - *Gnophos (Dicrognophos) gorgatus*, GP2403, male genitalia from Saklıvadi.



Figs. 57, 58 - *Gnophos (Dicrognophos) gorgatus*, GP2403, tympanal organ: before preparation (left), after preparation (right).



Fig. 59 - *Hyposcotis (Kemtroglyphos) zeitunaria*, GP2411, male genitalia from Saklıvadi.



Figs. 60, 61 - *Hyposcotis (Kemtroglyphos) zeitunaria*, GP2411, tympanal organ: before preparation (left), after preparation (right).



Fig. 62 - *Hyposcotis (Organognophos) wanensis*, GP2386, male genitalia from Saklıvadi.



Figs. 63, 64 - *Hyposcotis (Organognophos) wanensis*, GP2386, tympanal organ: before preparation (left), after preparation (right).



Fig. 65 – *Nychiodes (Eunychiodes) divergaria*, GP2352 male genitalia from Saklıvadi.

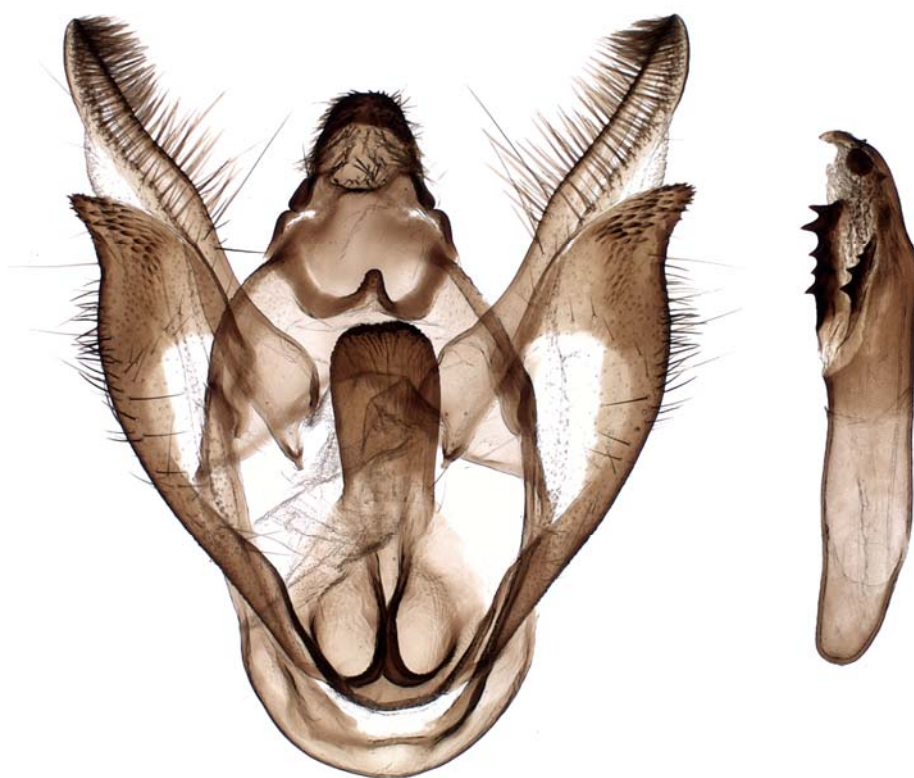


Fig. 66 - *Odontognophos zacharius*, GP2416, male genitalia from Saklıvadi.



Figs. 67, 68 - *Odontognophos zacharius*, GP2416, tympanal organ: before preparation (left), after preparation (right).



Fig. 69 - *Caradrina (Boursinidrina) rjabovi*, GP2393, male genitalia from Saklıvadi.

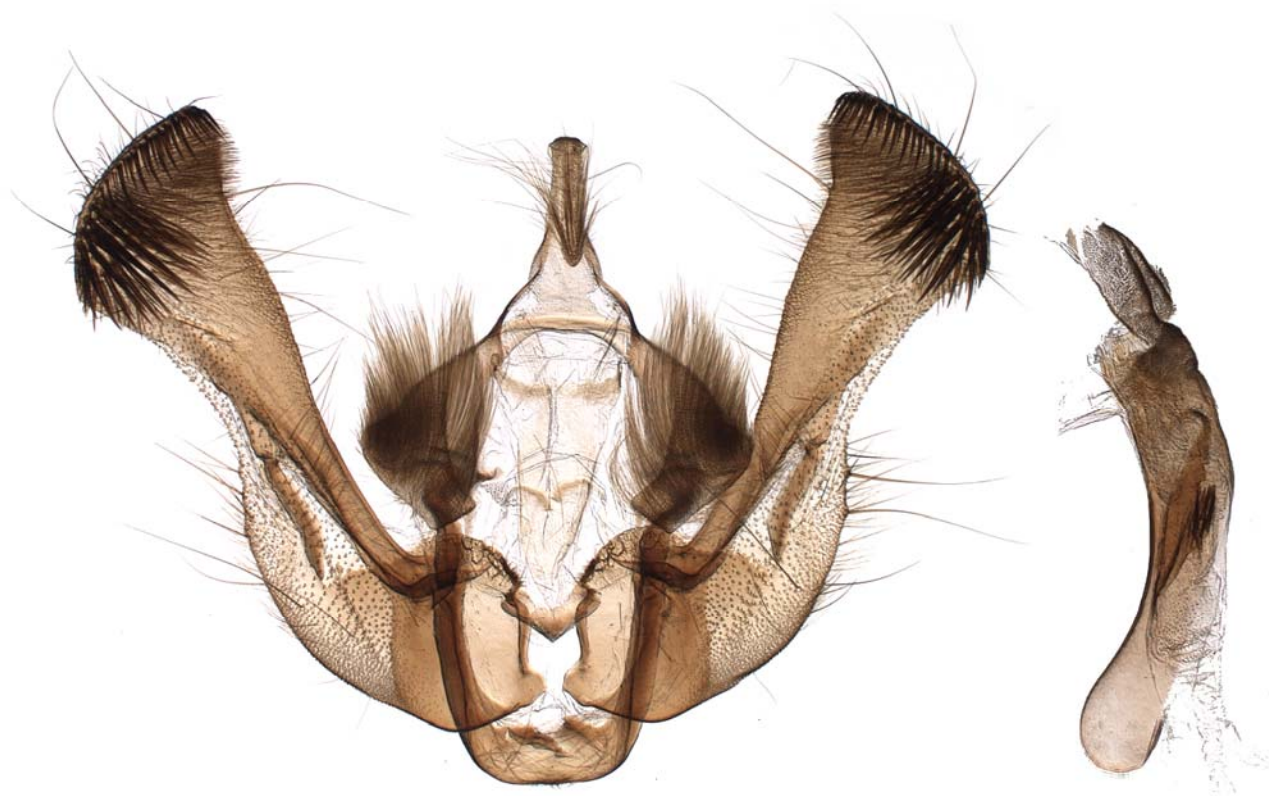


Fig.70 - *Mesoligia literosa*, GP2351, male genitalia from Saklıvadi.



Fig. 71 - *Polymixis (s.str.) csorbagabori*, GP2422, male genitalia from Saklıvadi.



Fig. 72 - *Polymixis (s.str.) perchrysa*, GP2421, male genitalia from Saklıvadi.



Fig. 73 - *Agonopterix subpropinquella*, GP2454, male genitalia from Saklıvadi.

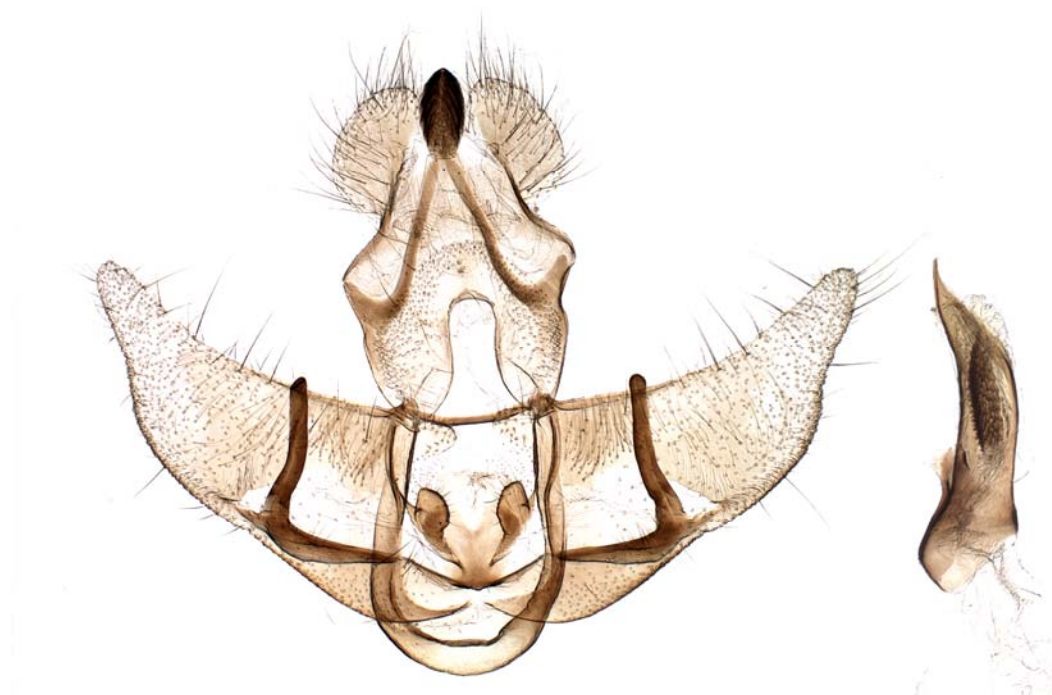


Fig. 74 - *Agonopterix thapsiella*, GP2457, male genitalia from Saklıvadi.

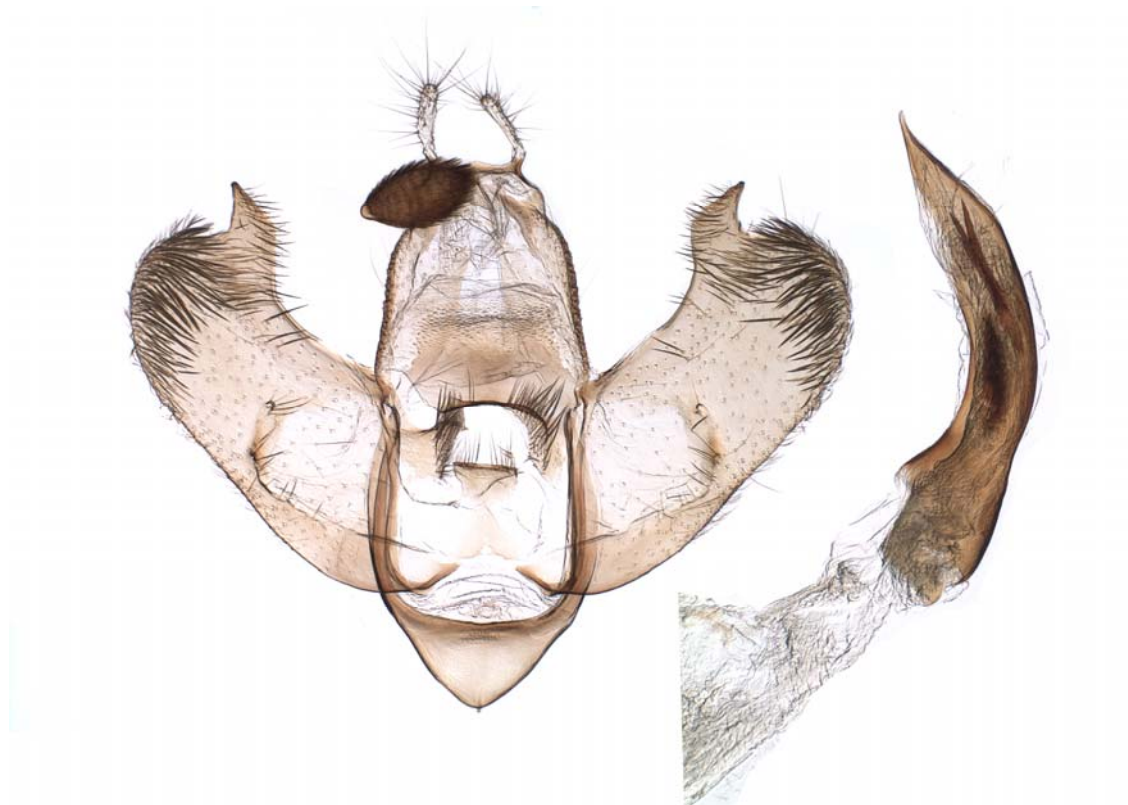
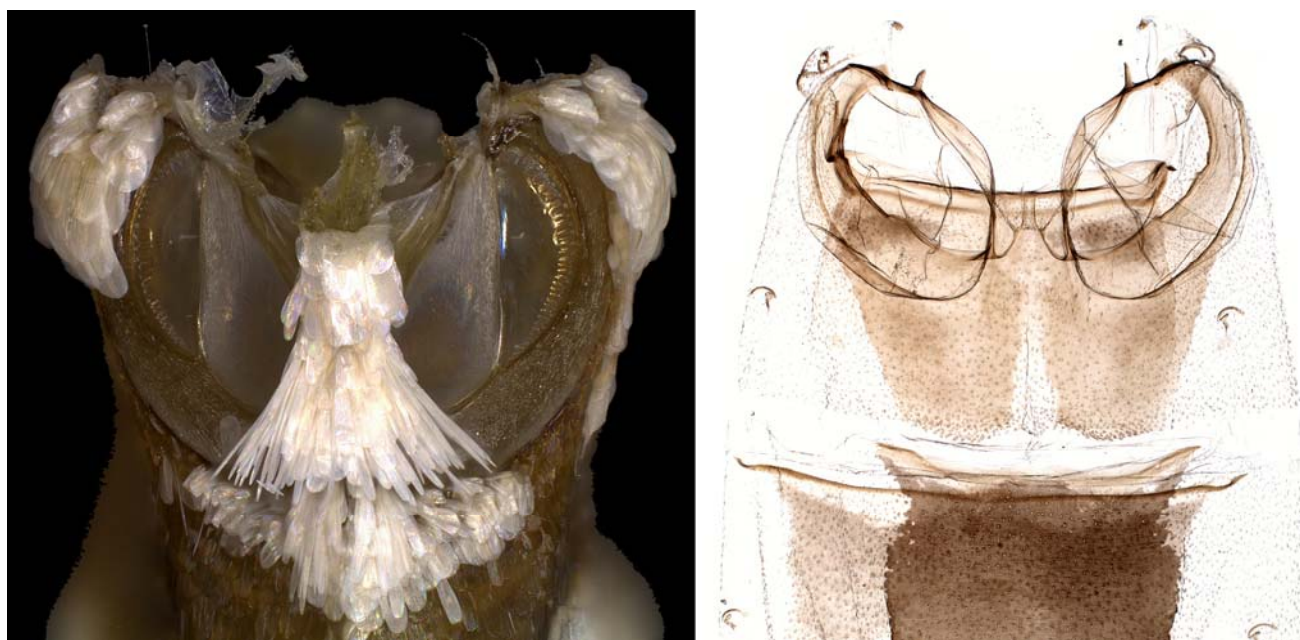


Fig. 75 - *Depressaria fuscovirgatella*, GP2382, male genitalia from Saklıvadi.



Fig. 76 - *Bradyrrhoa imperialella*, GP2388, male genitalia from Saklıvadi.



Figs. 77, 78 - *Bradyrrhoa imperialella*, GP2388, tympanal organ: before preparation (left), after preparation (right).

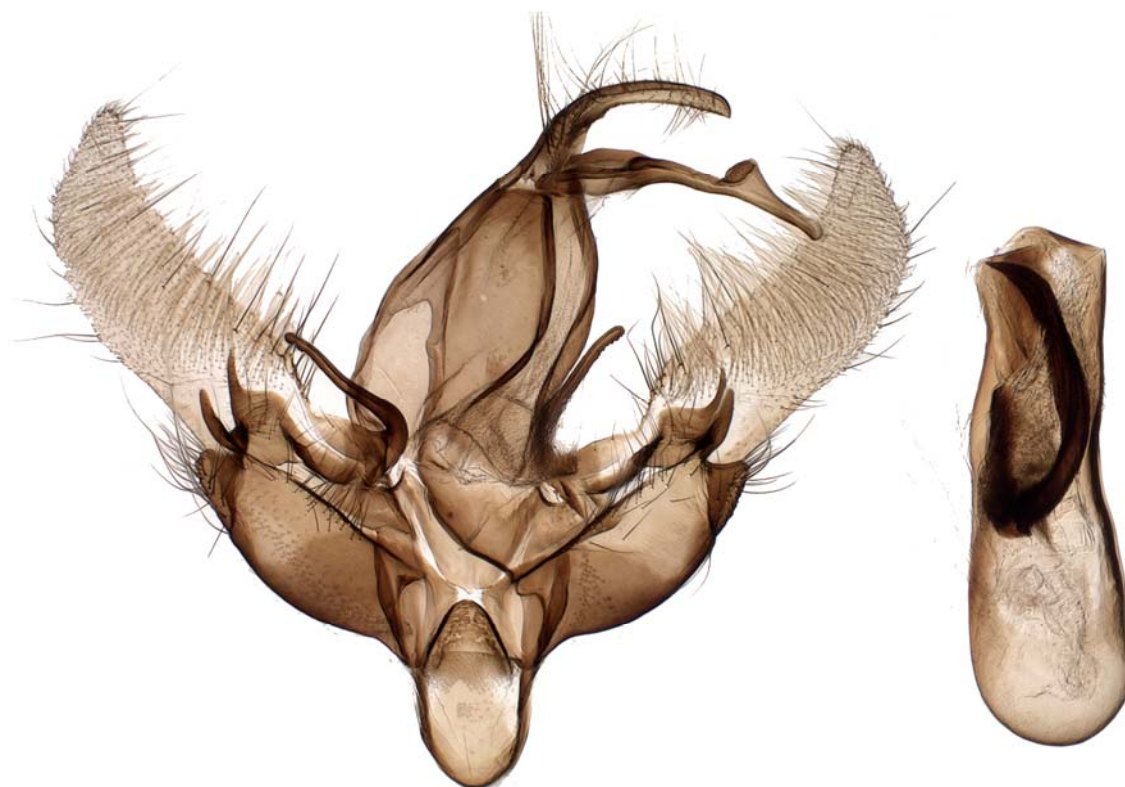


Fig. 79 - *Euchromius bellus*, GP2388, male genitalia from Saklivadi.



Figs. 80, 81 - *Euchromius bellus*, GP2388, tympanal organ: before preparation (left), after preparation (right).

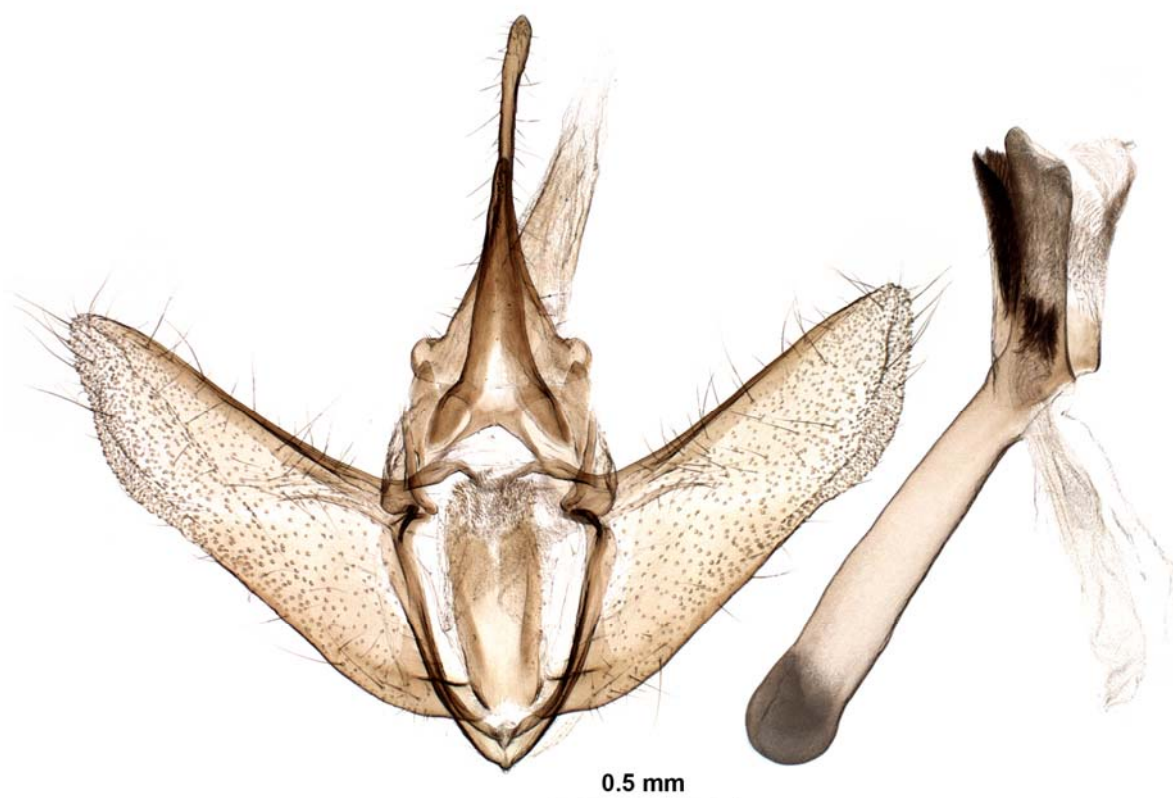


Fig. 82 – *Evergestis boursini*, GP2555, male genitalia from Saklıvadi.



Fig. 83 - *Lambaesia fumosella*, GP2536, male genitalia and coremata from Saklıvadi.



Figs. 84, 85 - *Lambaesia fumosella*, GP2536, tympanal organ: before preparation (left), after preparation (right).



Fig. 86 - *Pempeliella ornatella*, GP2486, male genitalia and coremata from Saklıvadi.



Figs. 87, 88 - *Pempeliella ornatella*, GP2486, male tympanal organ, before preparation (left), after preparation (right).



Fig. 89 - *Pterothrixidia rufella*, GP2535, male genitalia and coremata from Saklıvadi.



Figs. 90, 91 - *Pterothrixidia rufella*, GP2535 male tympanal organ, before preparation (left), after preparation (right).



Fig. 92 – *Aethes kasyi*, GP2410, male genitalia from Saklıvadi.



Fig. 93 – *Cochylimorpha diana*, GP2397, male genitalia from Saklıvadi.



Fig. 94 – *Cochylis roseana*, GP2404, male genitalia from Saklivadi.



Fig. 95 – *Dichrorampha vancouverana*, GP2401, male genitalia from Saklivadi.

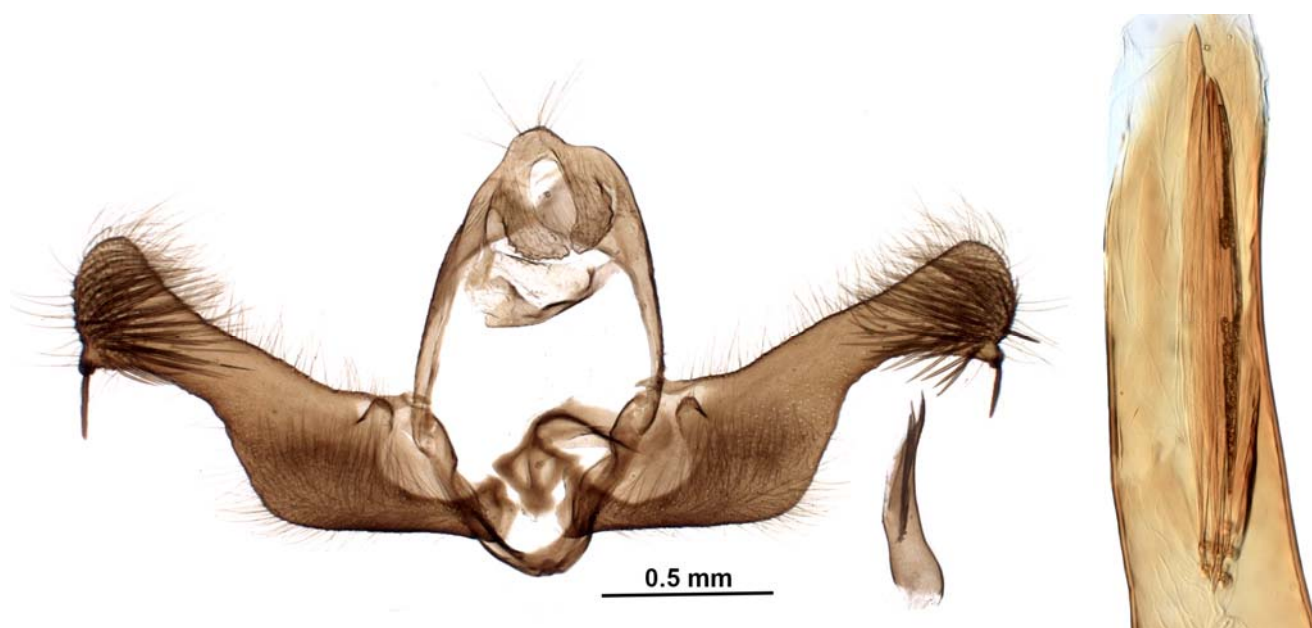


Fig. 96 – *Pelochrista dagestana* ssp.n. *alpicola*, GP2385, Paratype, male genitalia from Saklıvadi. On the right aedeagus tip with 6-7 cornuti (enlarged).



Fig. 97 – *Pelochrista dagestana* ssp.n. *alpicola*, GP2387, Paratype, female genitalia from Saklıvadi. Bursa copulatrix with signa and a single cornutus (see remark in the text).

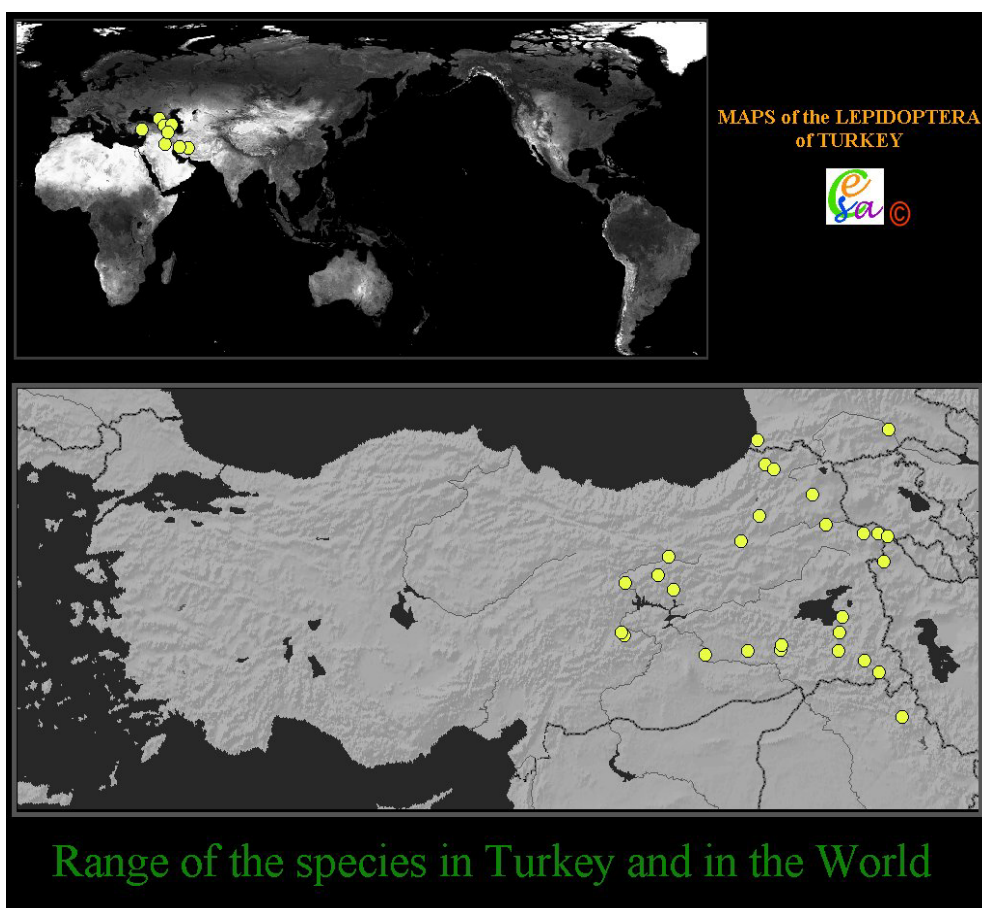


Figs. 98, 99 - *Pelochrista dagestana* ssp.n. *alpicola*, Holotype ♂, upperside (left), underside (right). Van Pr. Çatak Saklıvadi 2030m. 19 2016, leg. A. Koçak (coll. Cesa).

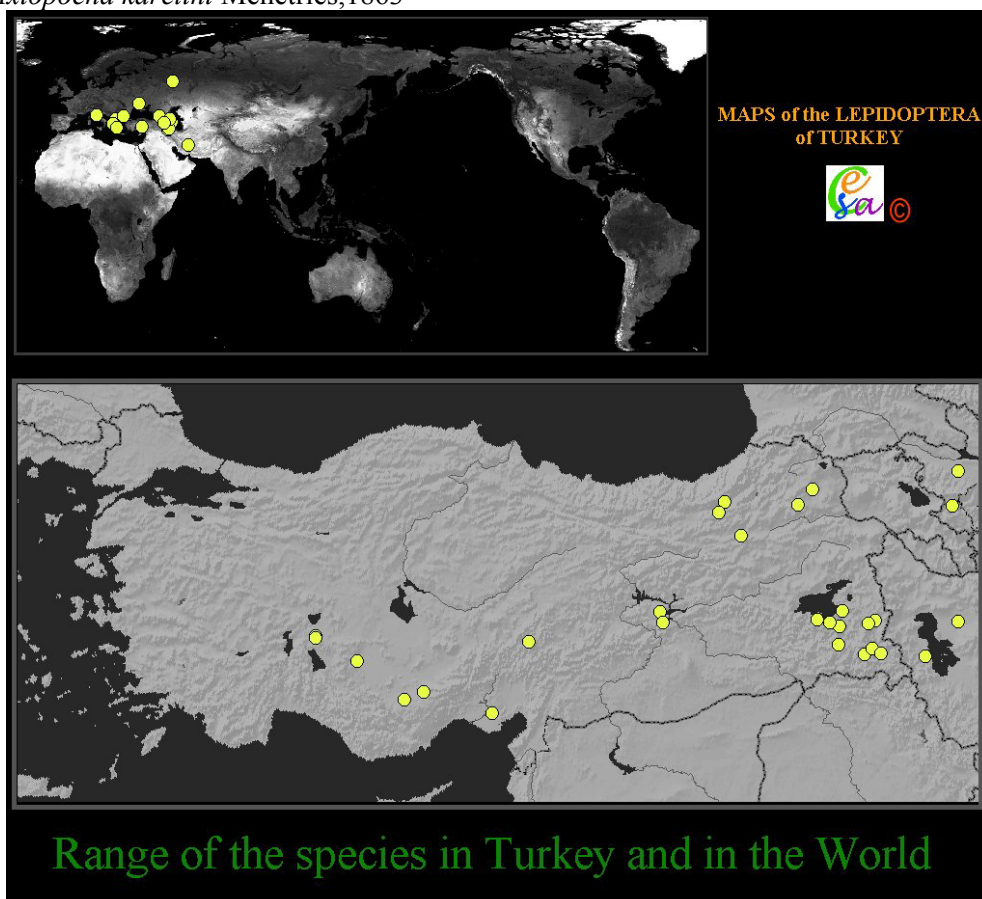


Figs. 100, 101 - *Pelochrista dagestana* ssp.n. *alpicola*, f. n. *albescens*, Holotype ♂, upperside (left), underside (right). Van Pr. Bahçesaray, Meteo 2570m, 10 8 2016, leg. M. Kemal (coll. Cesa).

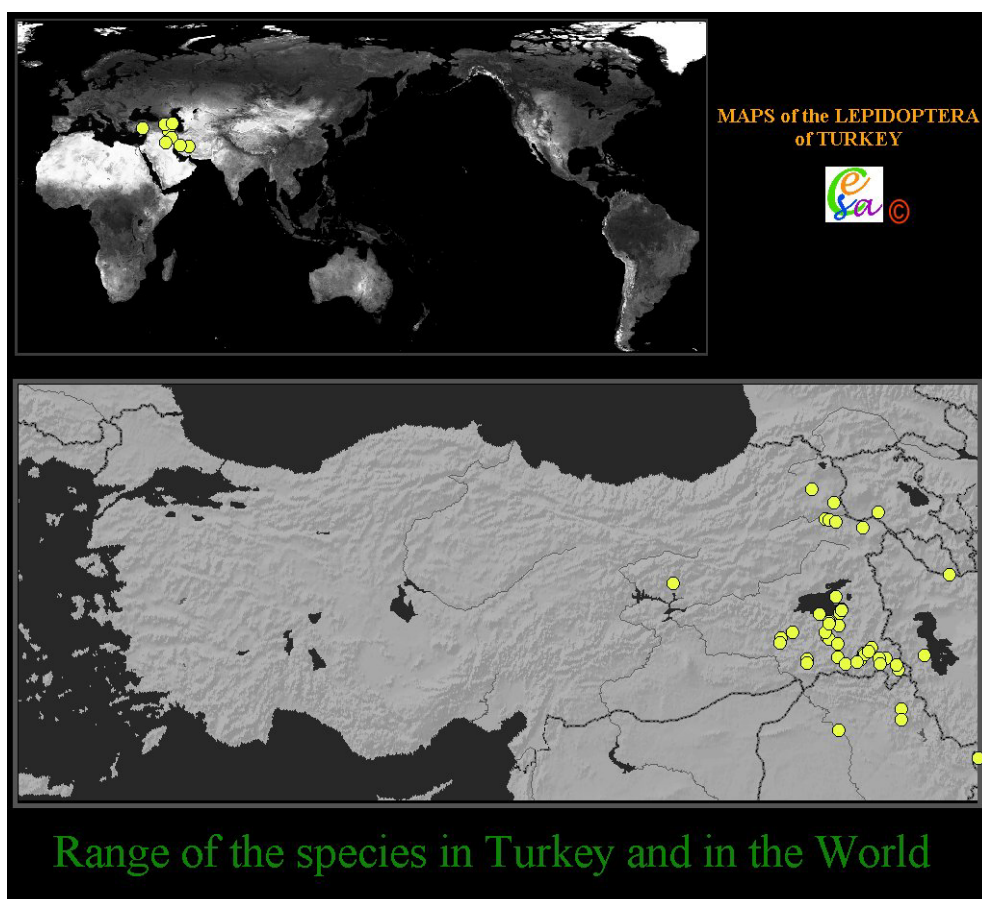
Maps



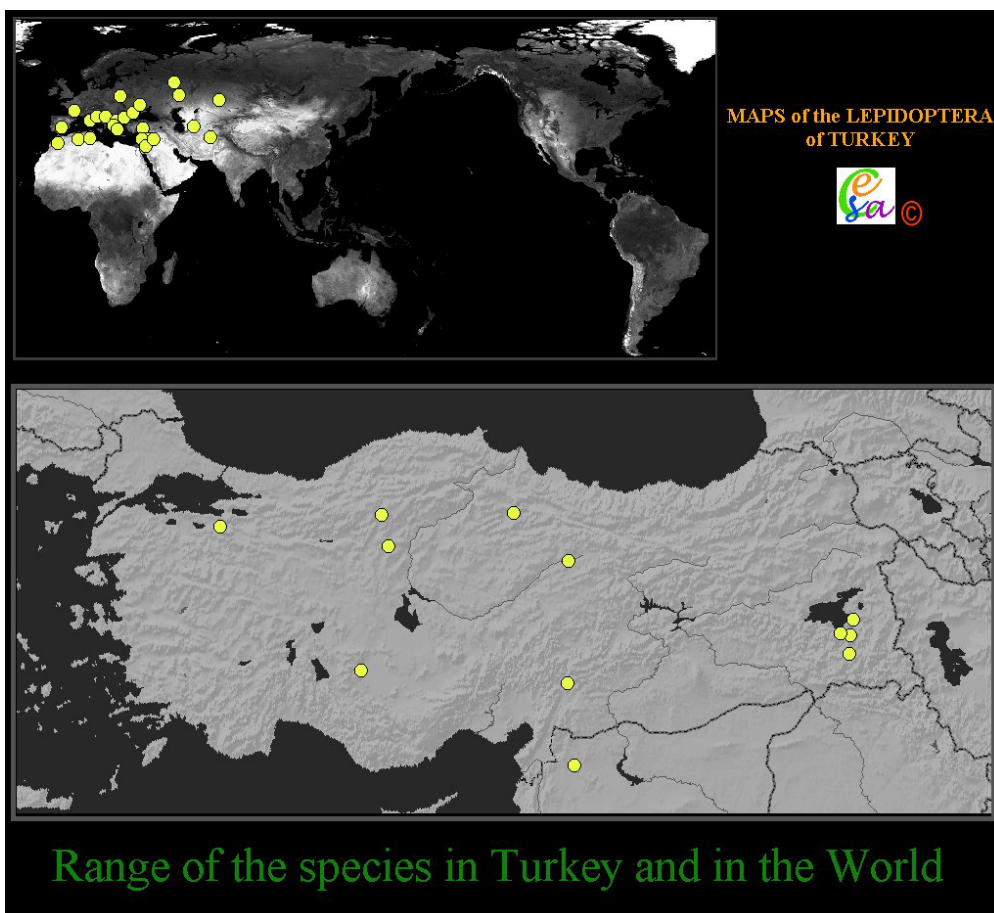
Map 2 - *Axiopoena karelini* Ménétriés, 1863



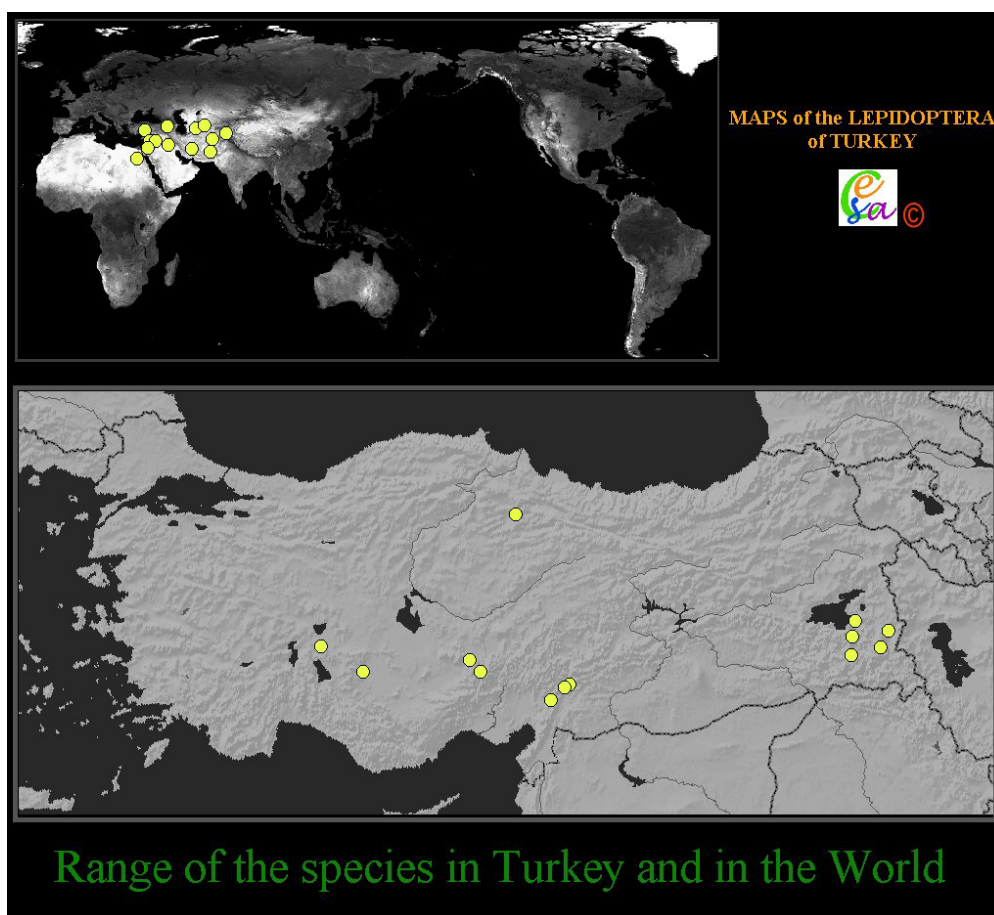
Map 3 - *Cymbalophora rivularis* (Ménétriés, 1832)



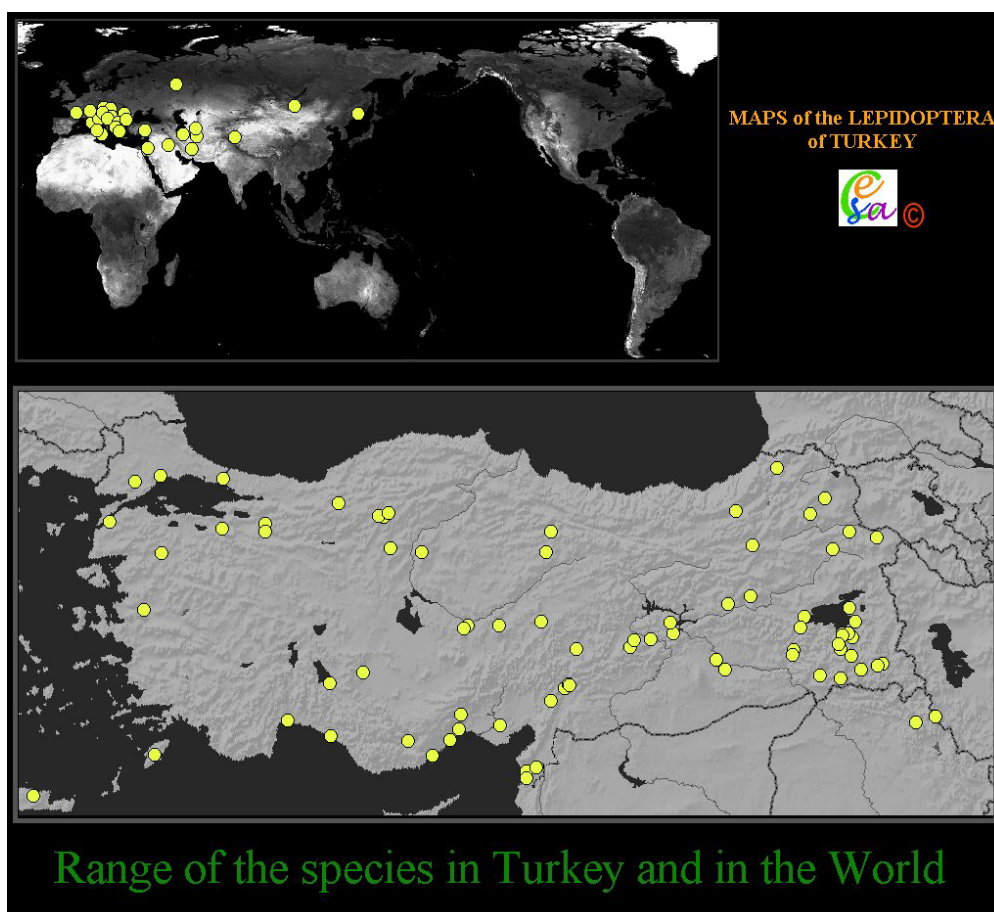
Map 4 - *Euplagia splendidior* (Tams,1922)



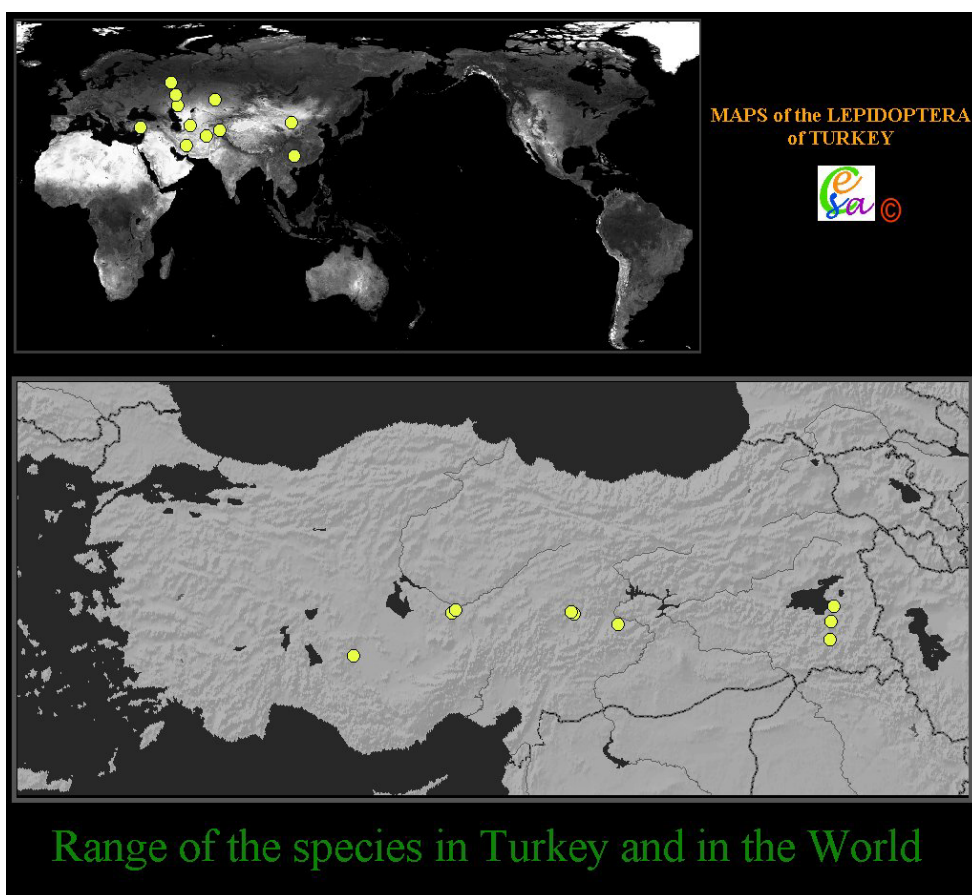
Map 5 - *Eteobalea sumptuosella* (Lederer,1855)



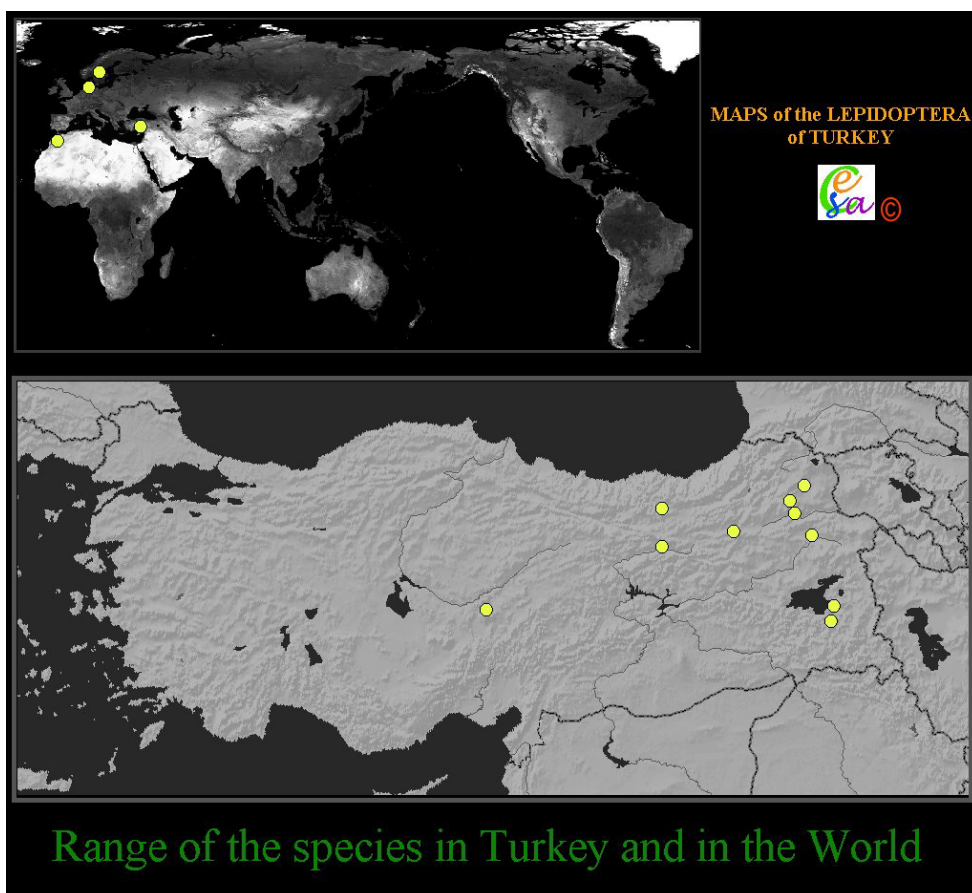
Map 6 - *Phragmacossia territa* Staudinger, 1878



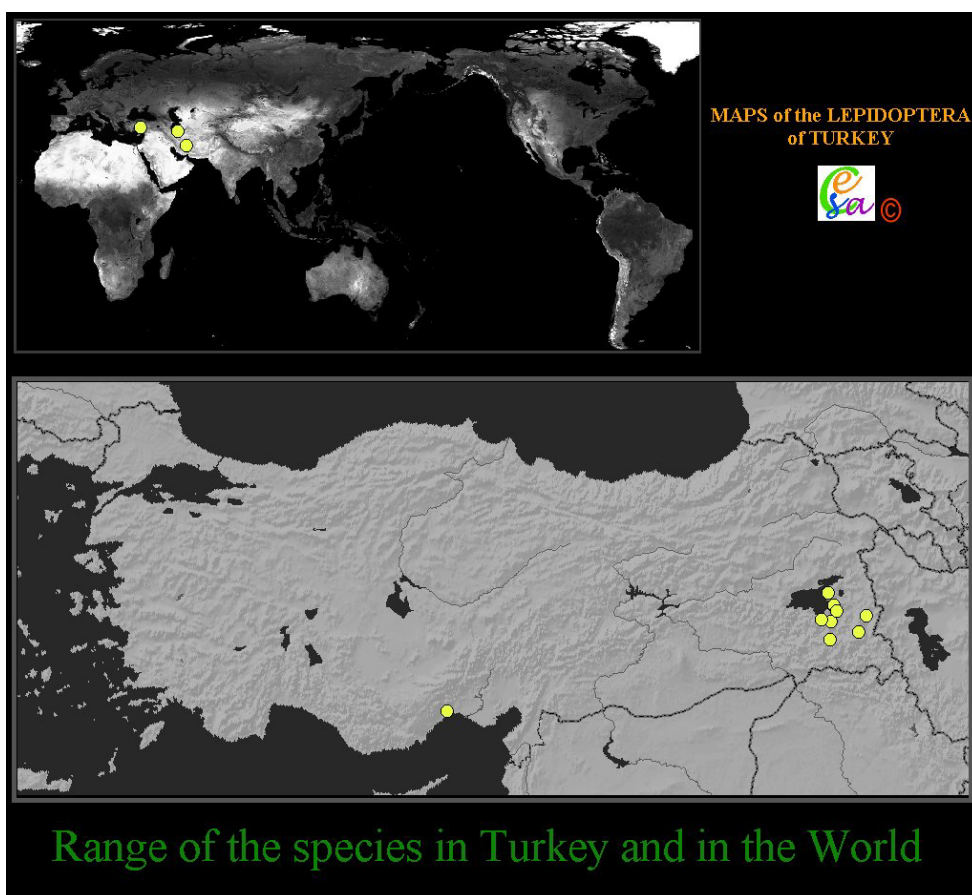
Map 7 - *Dysauxes (s.str.) famula* (Freyer, 1836)



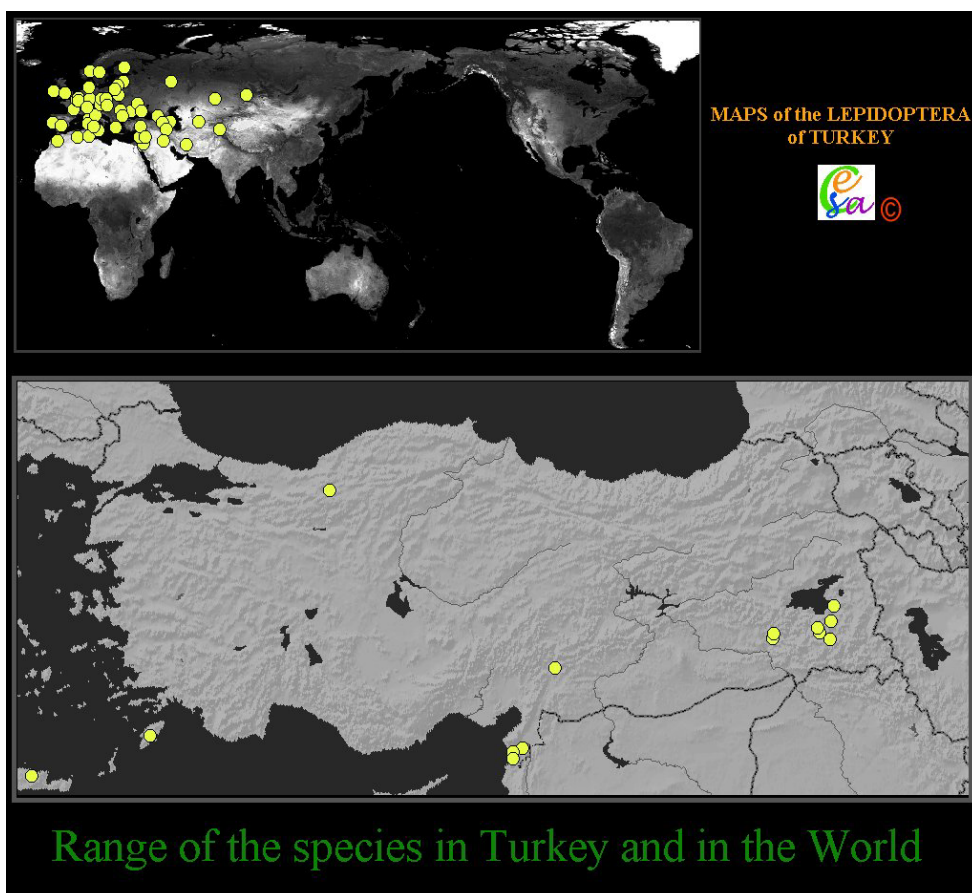
Map 8 - *Agnippe pseudolella* (Christoph, 1888)



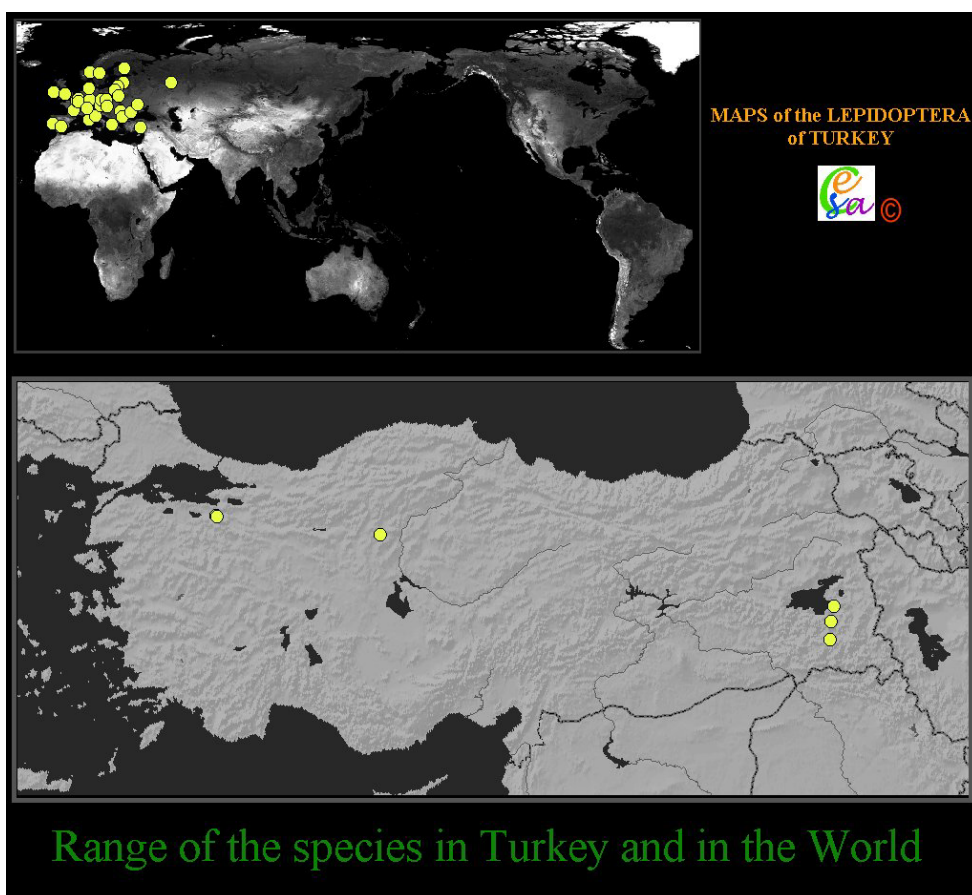
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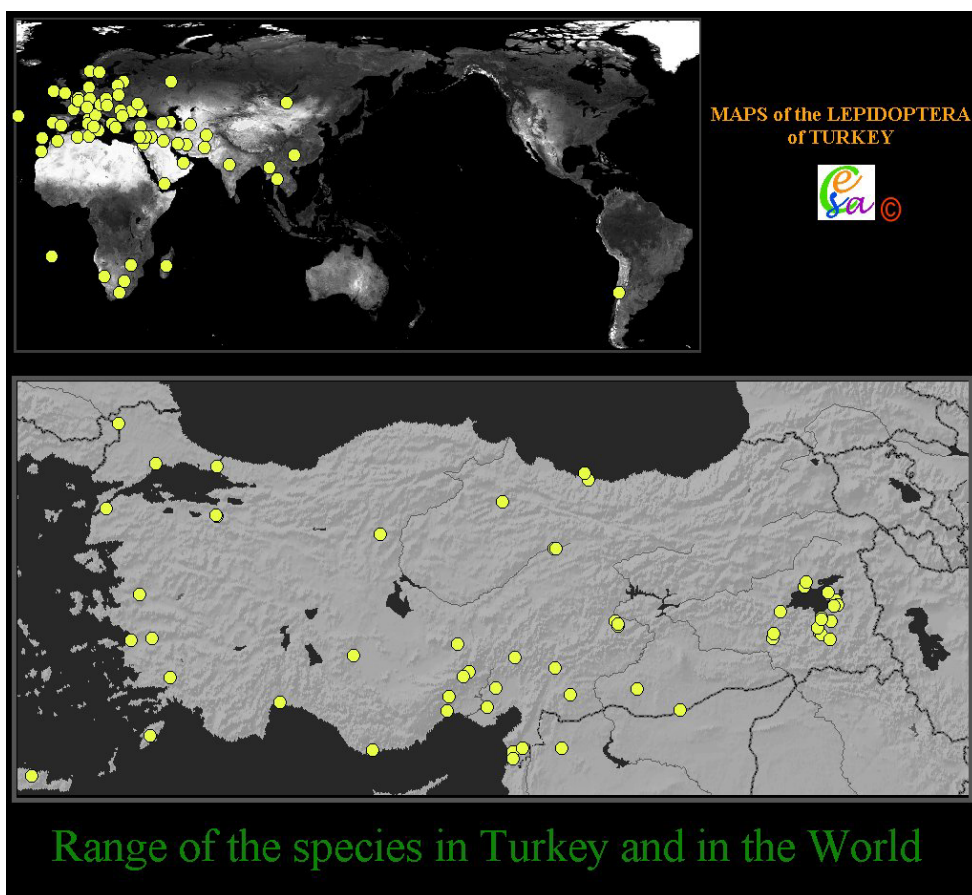
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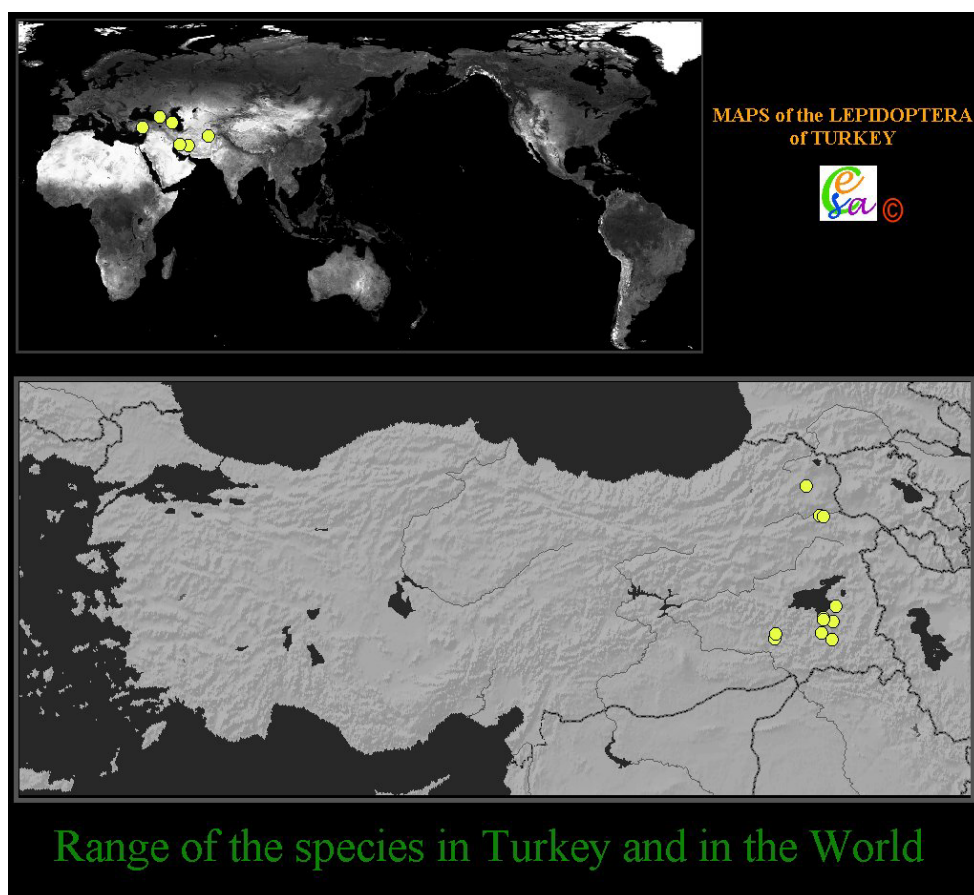
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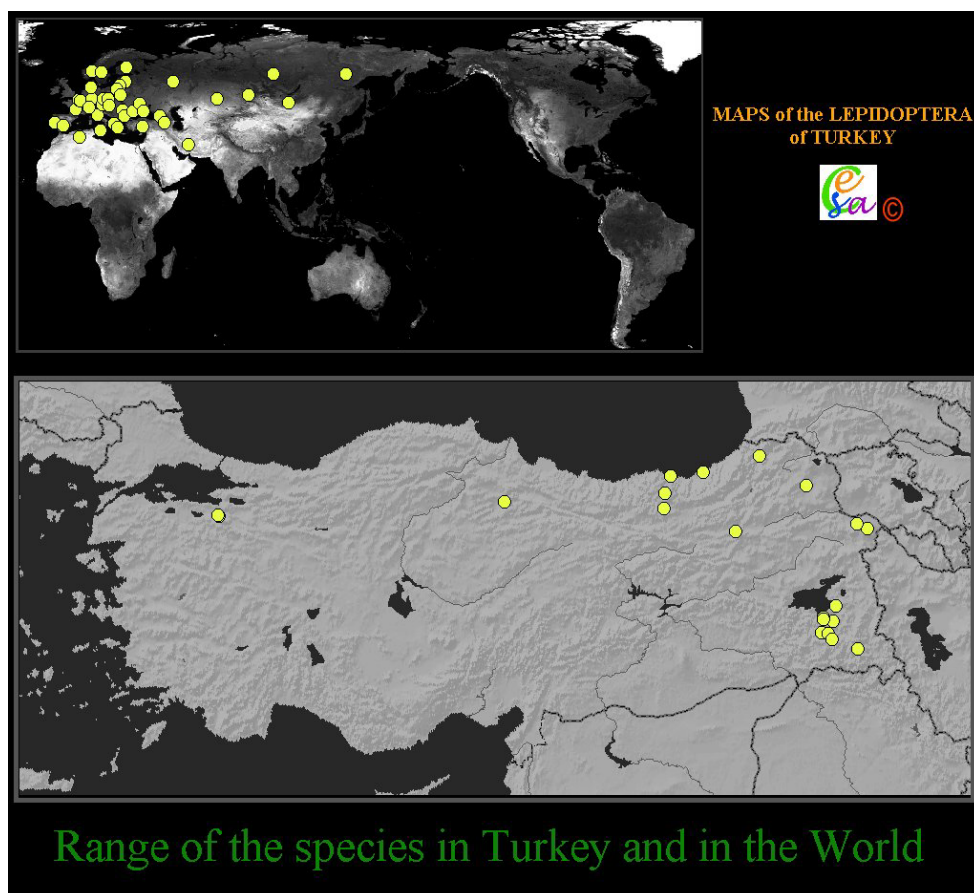
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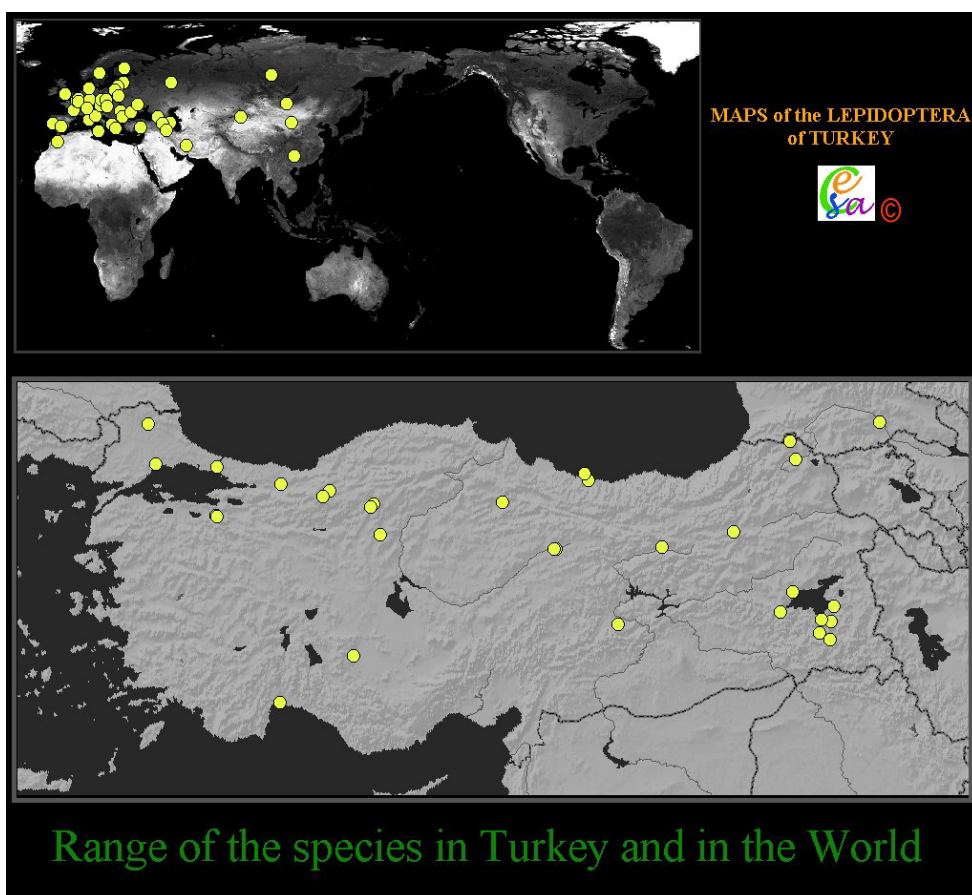
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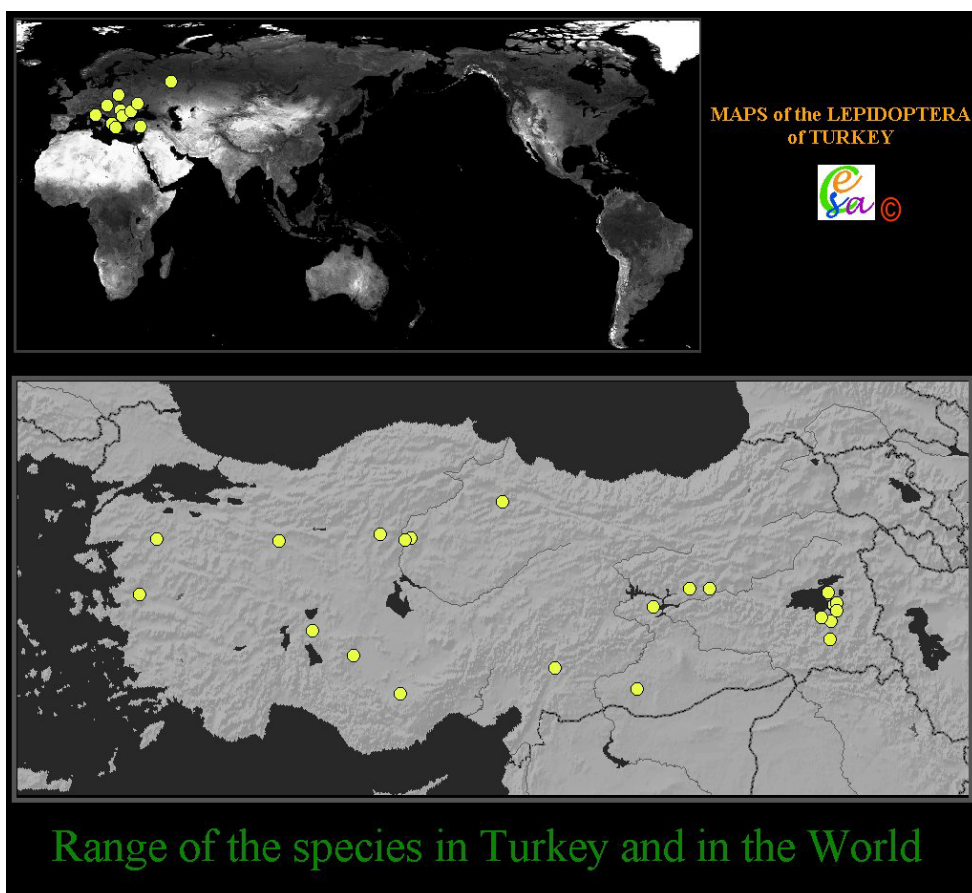
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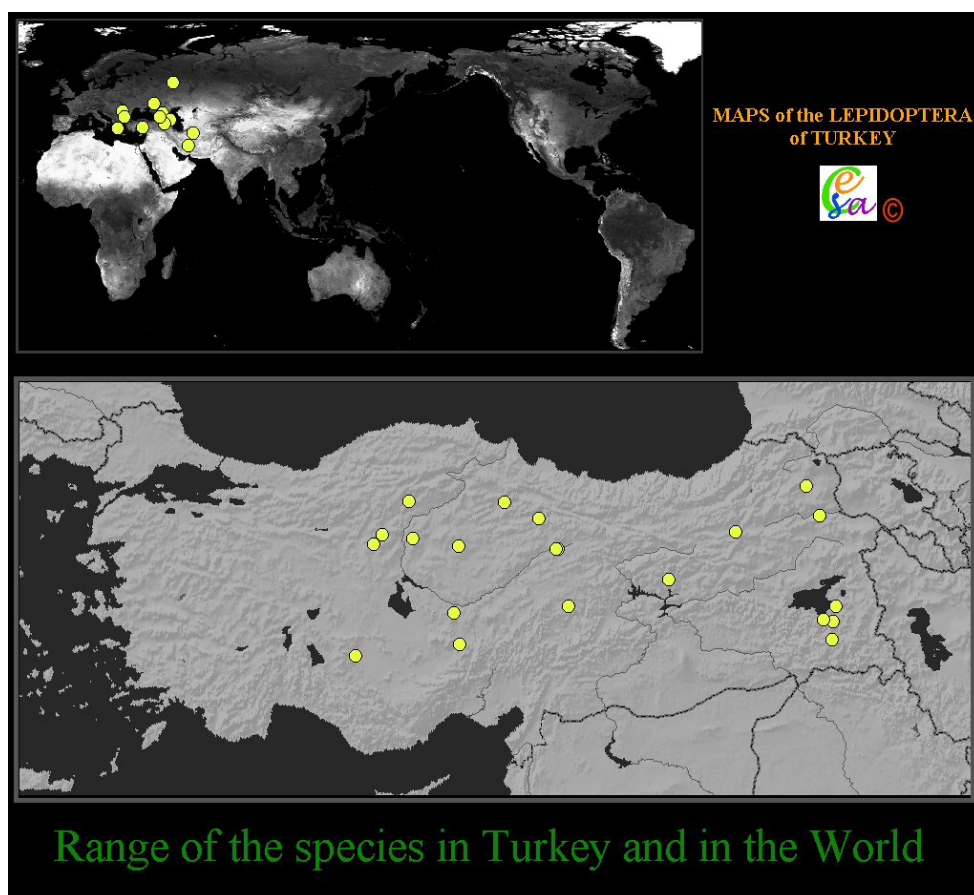
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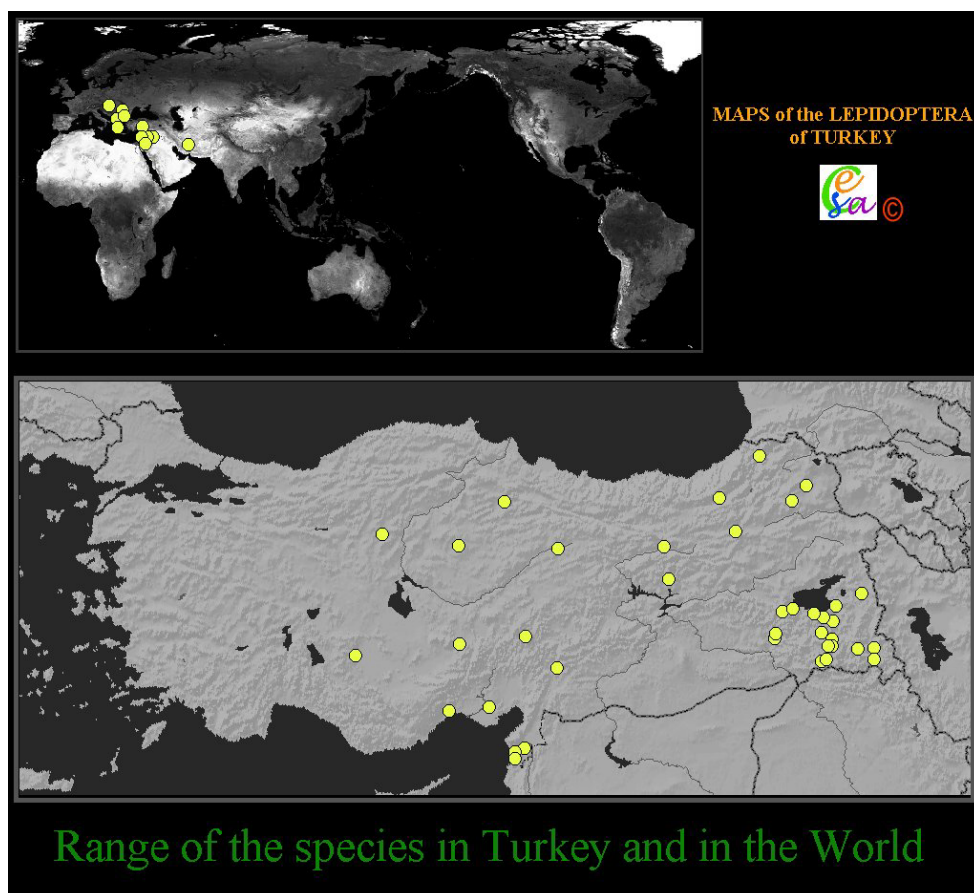
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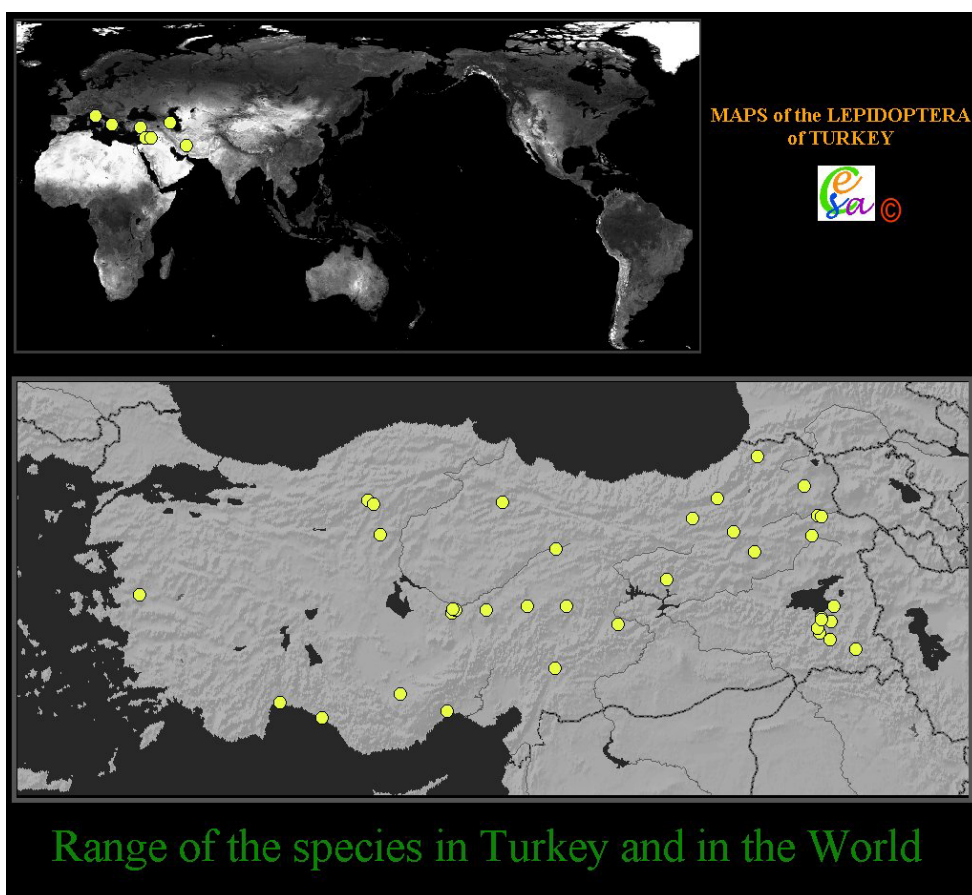
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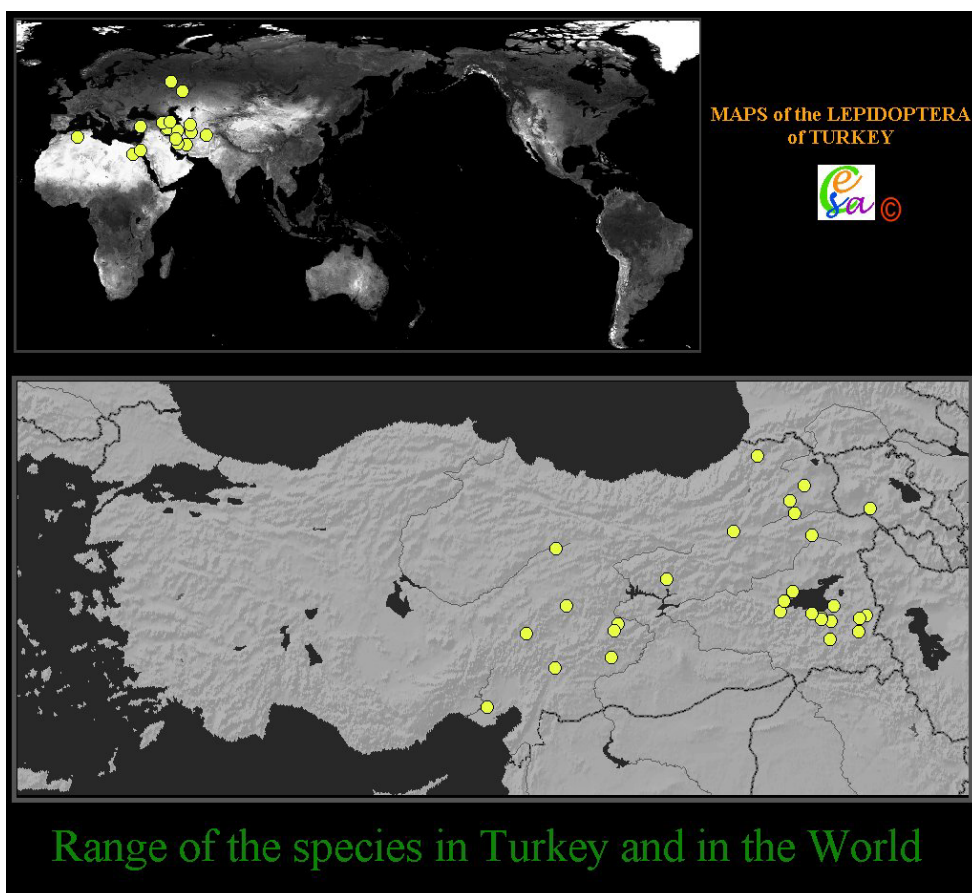
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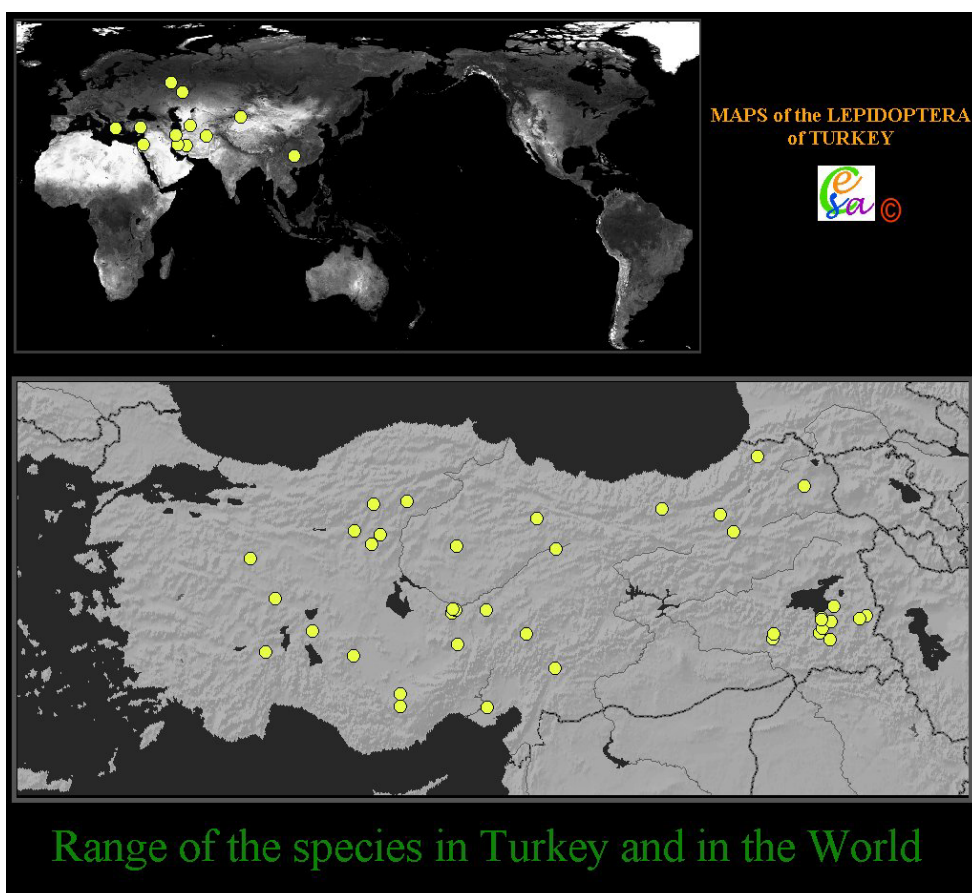
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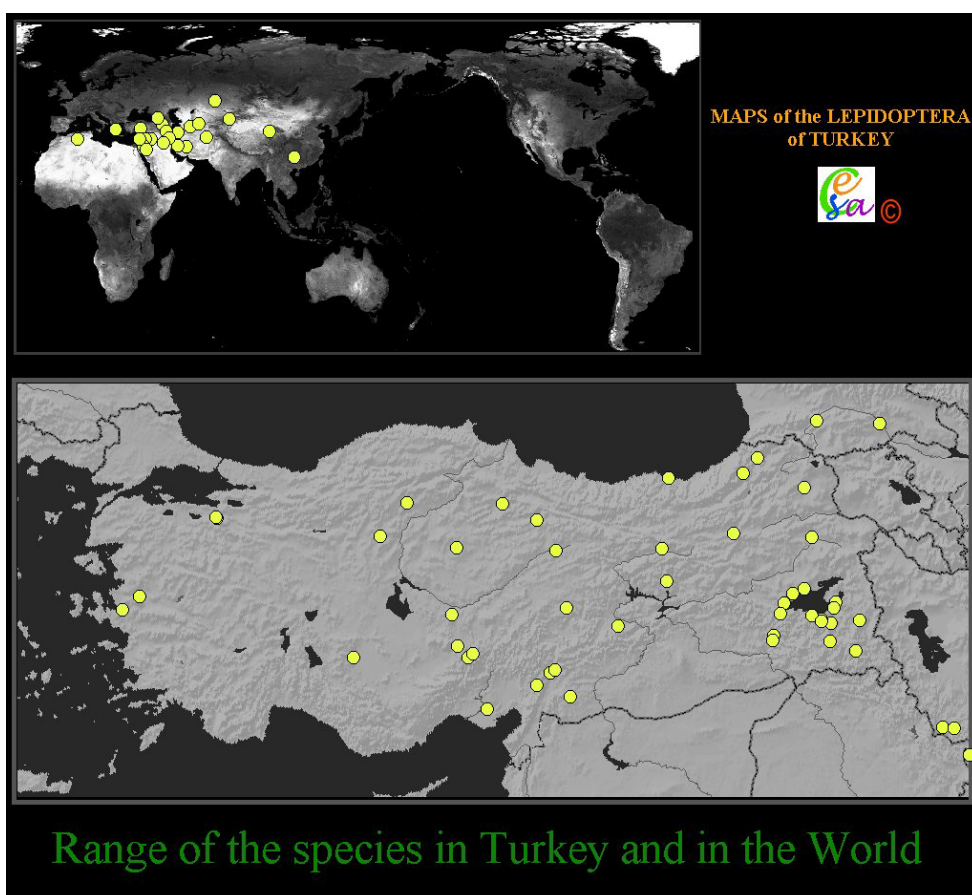
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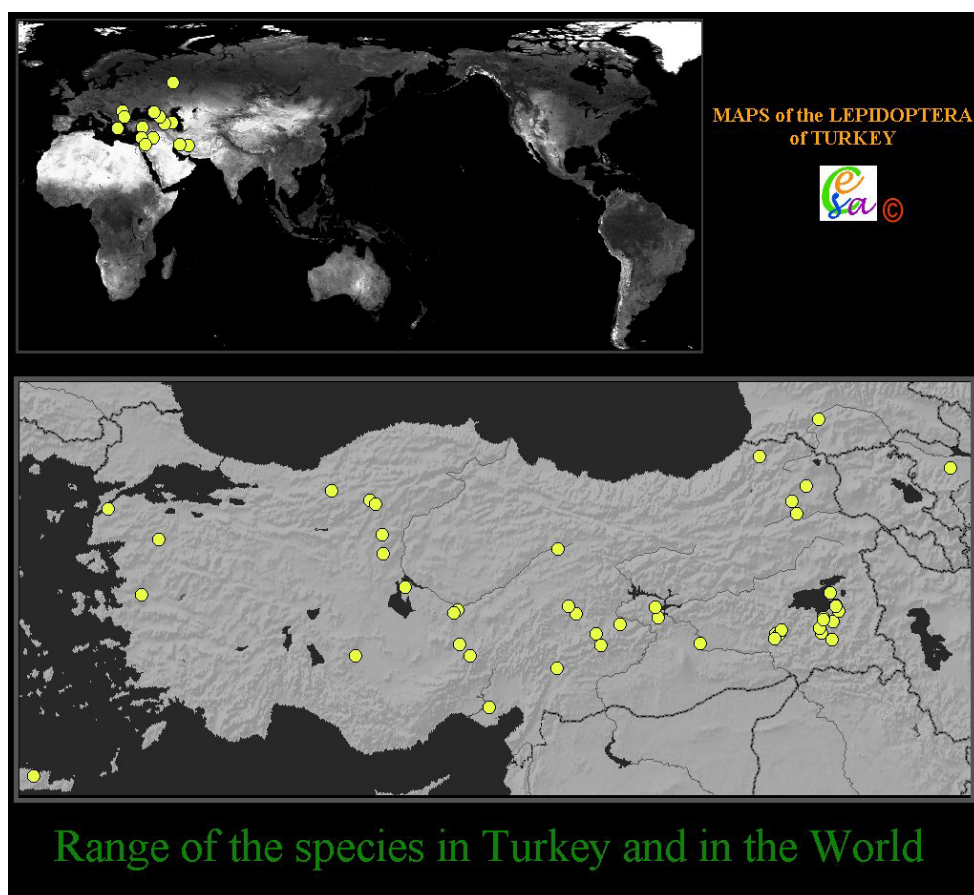
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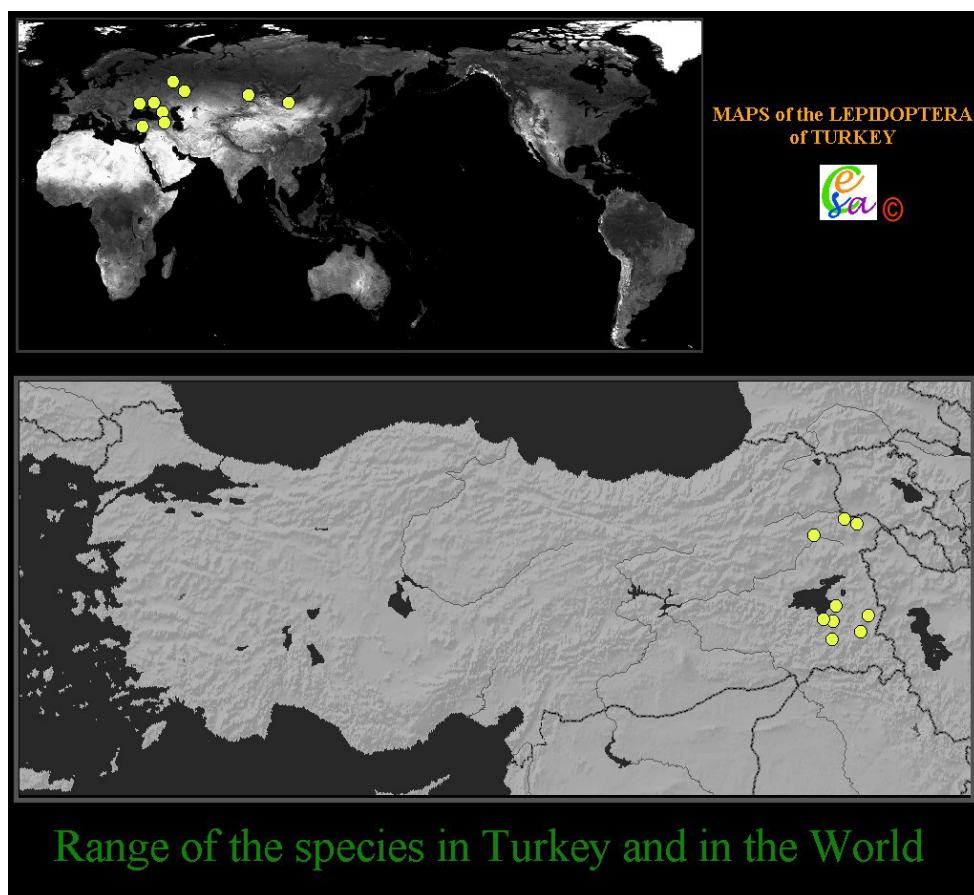
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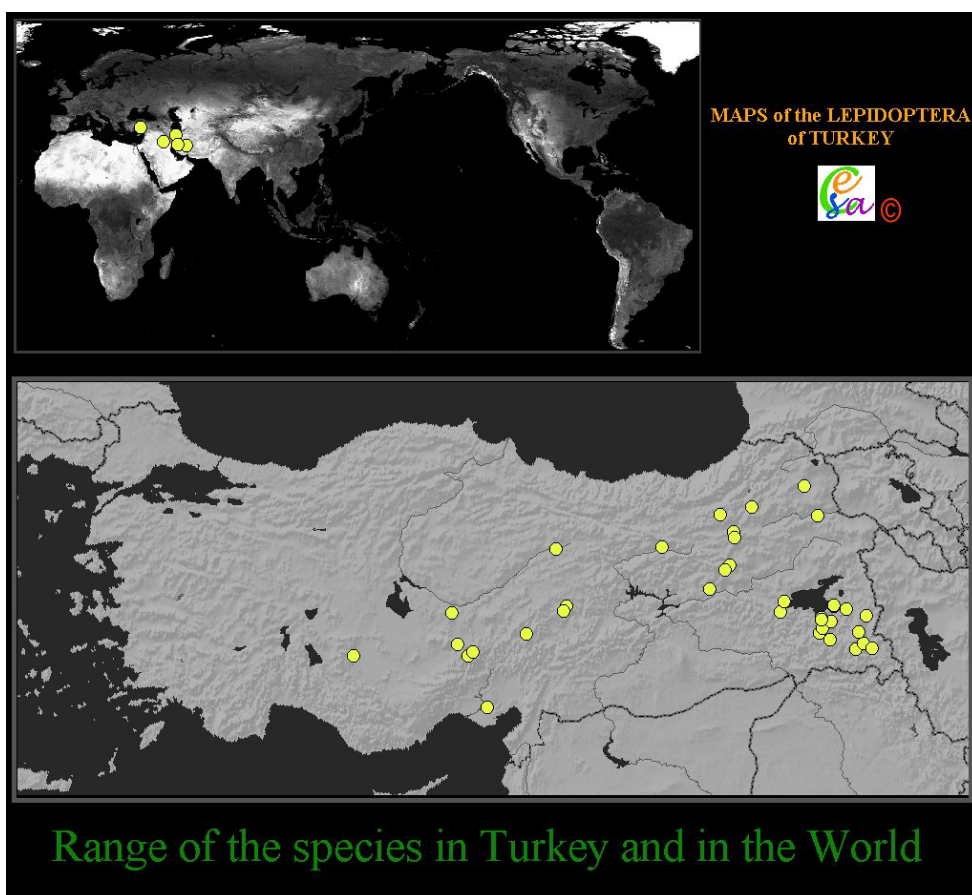
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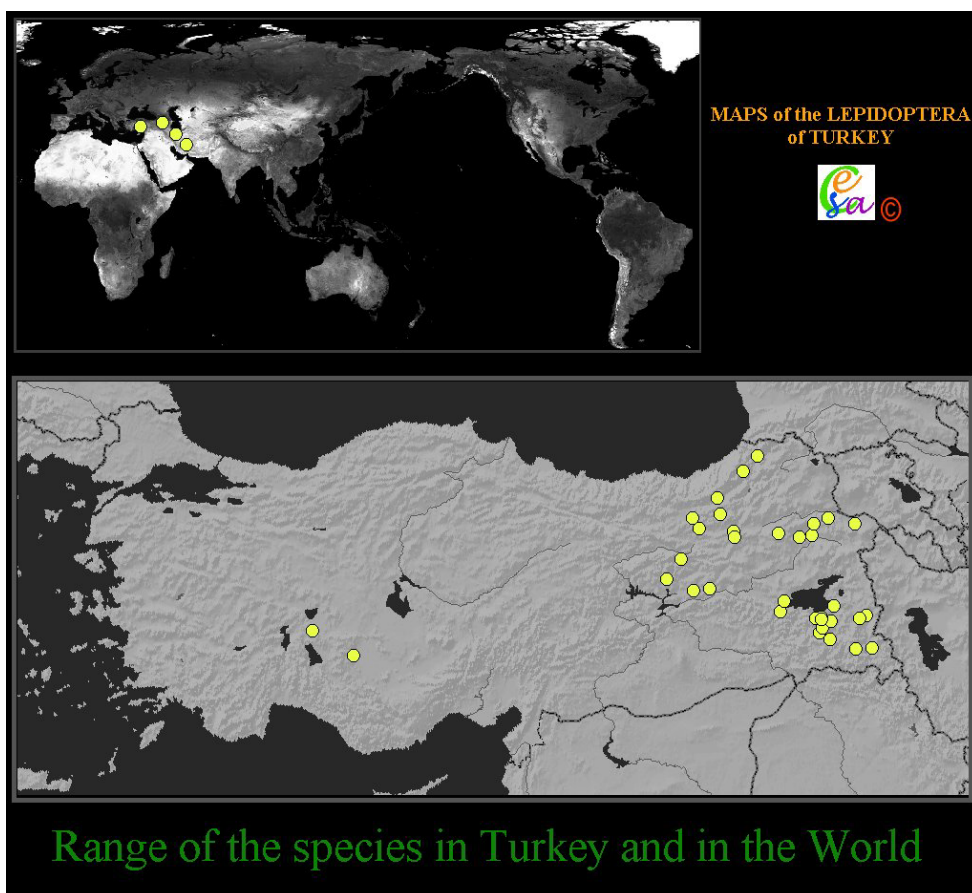
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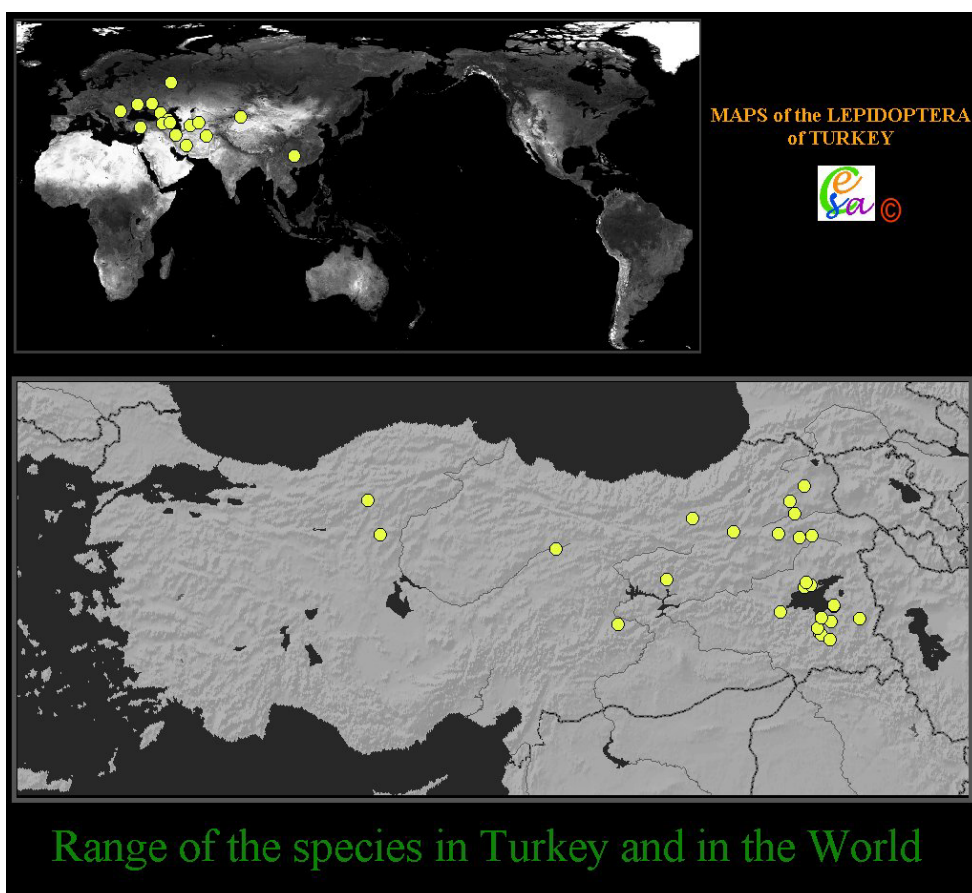
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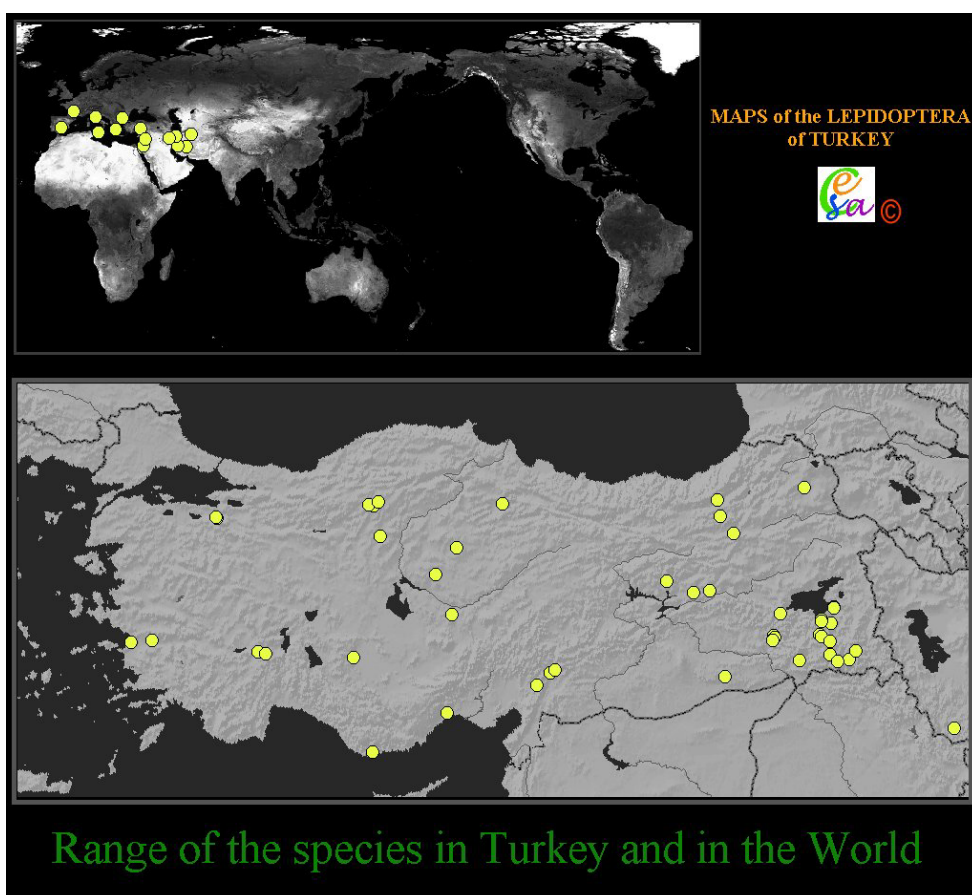
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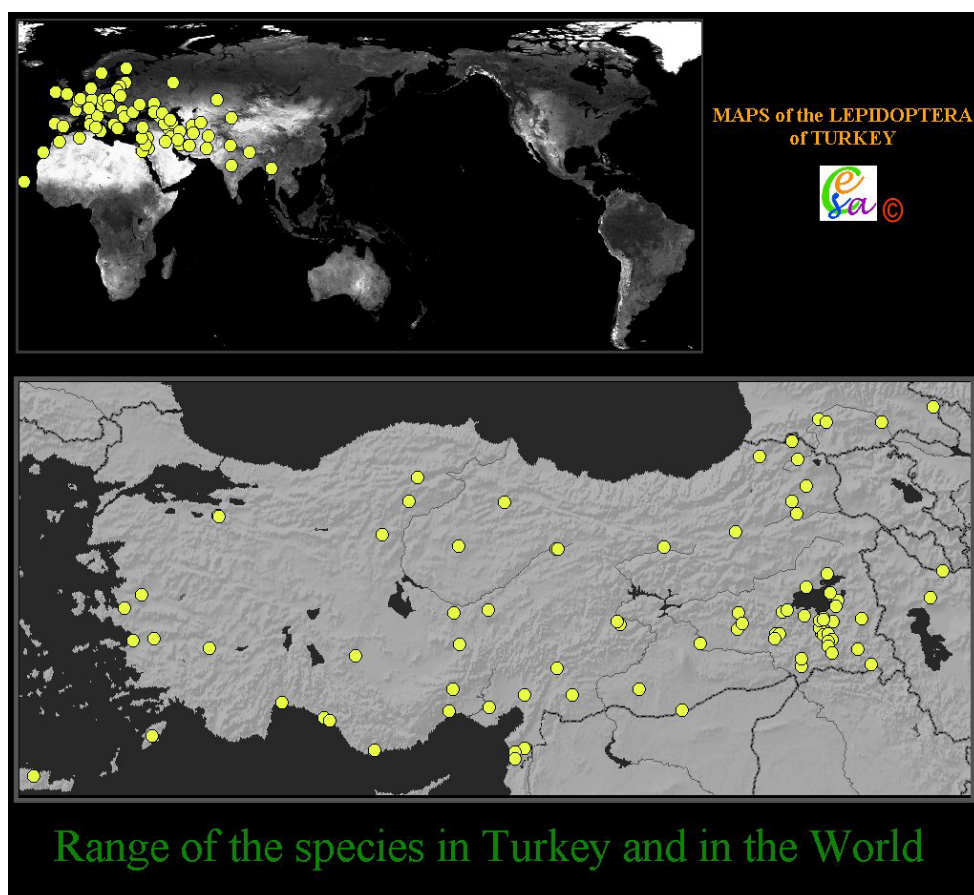
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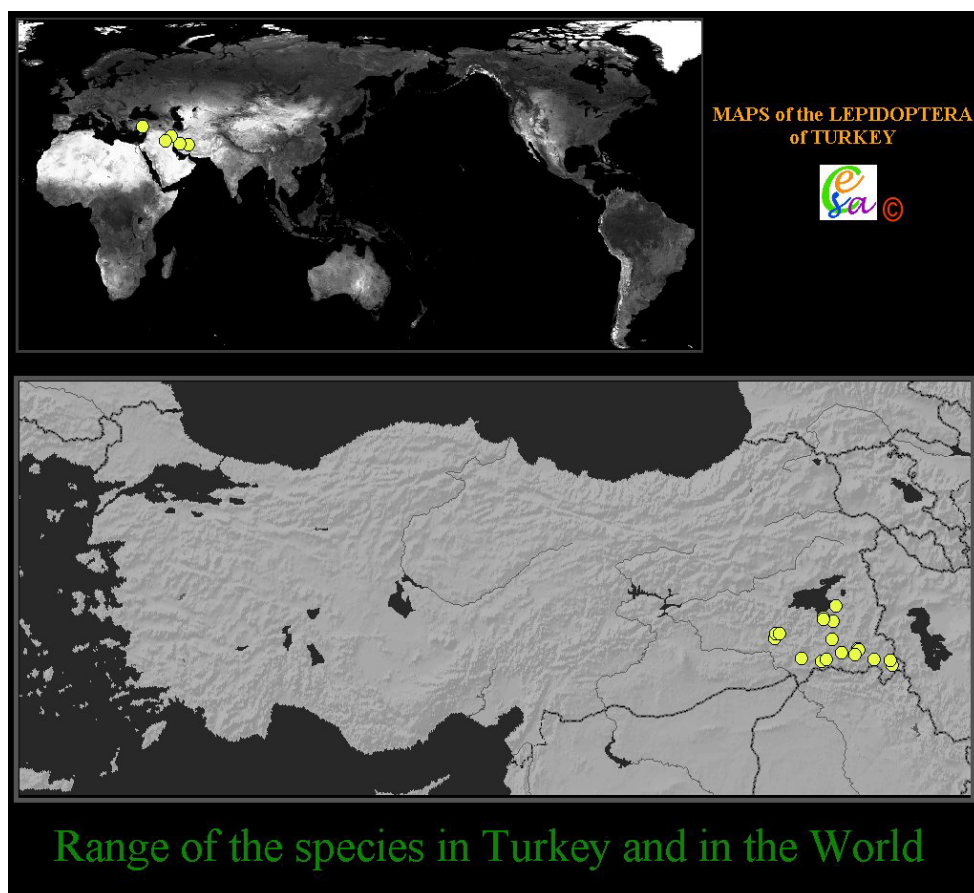
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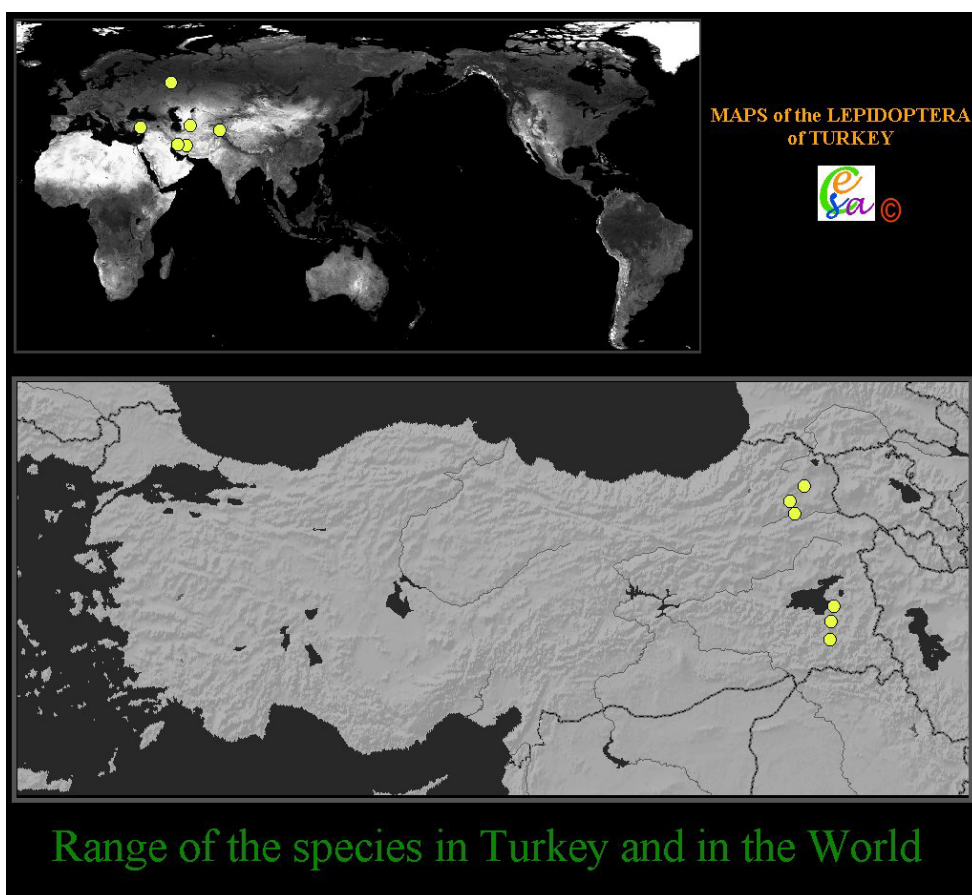
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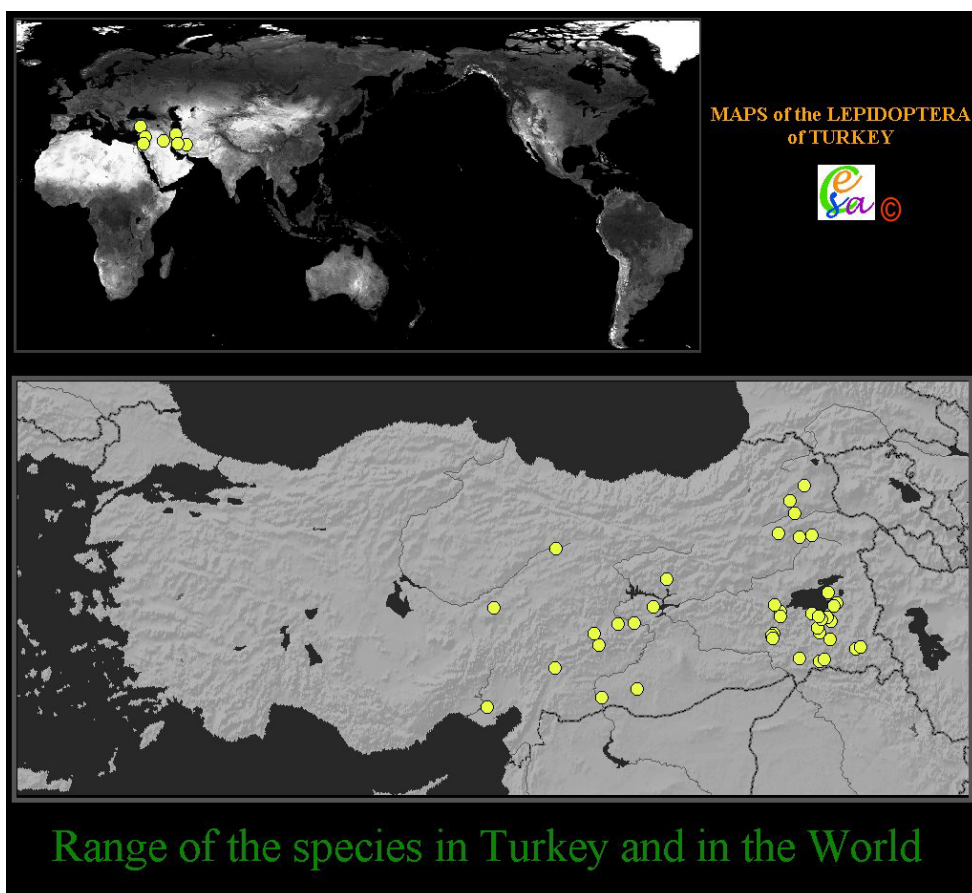
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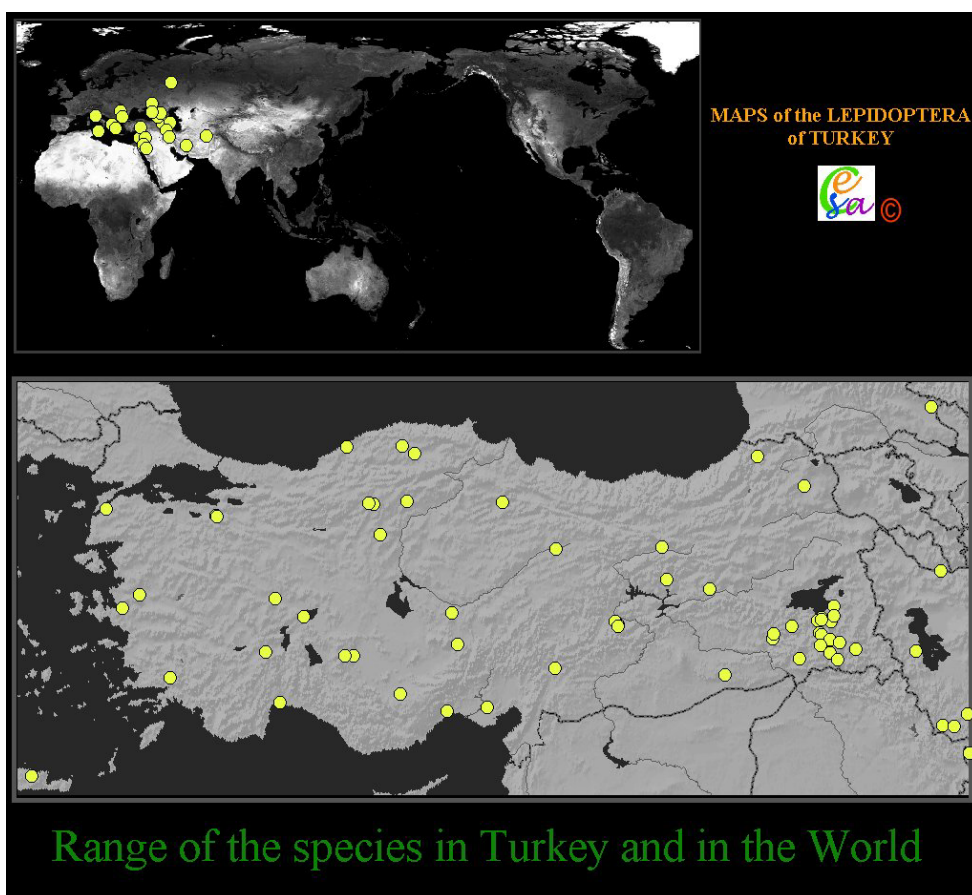
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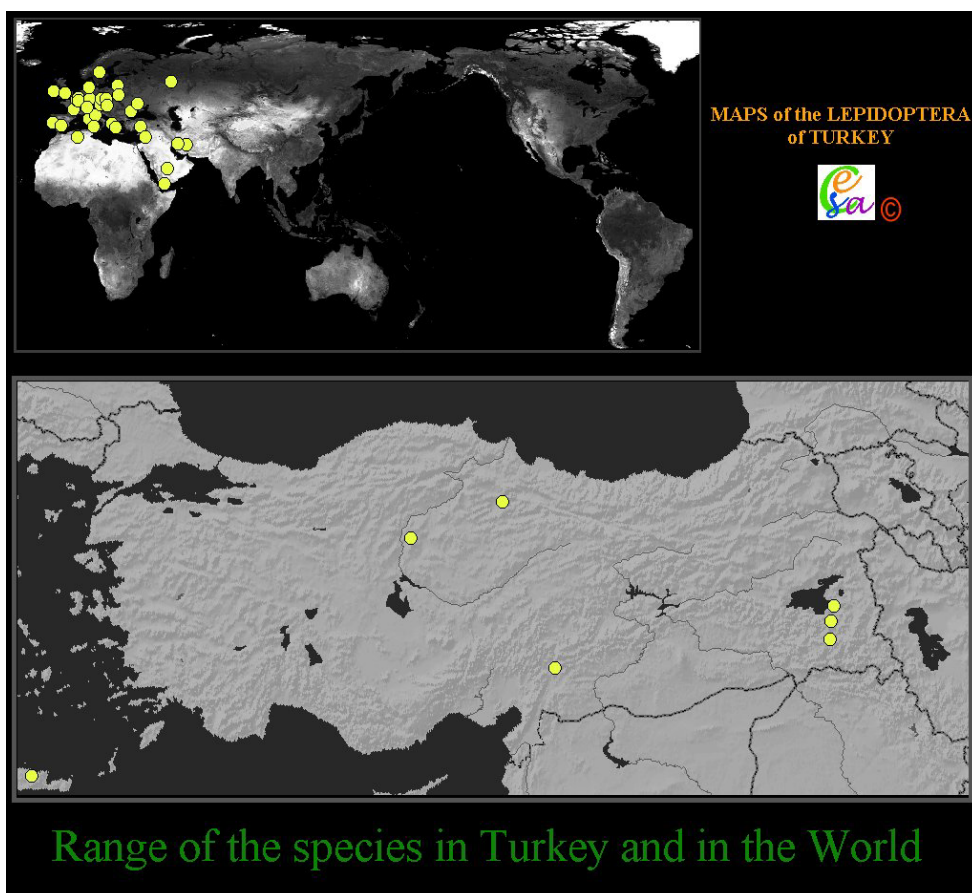
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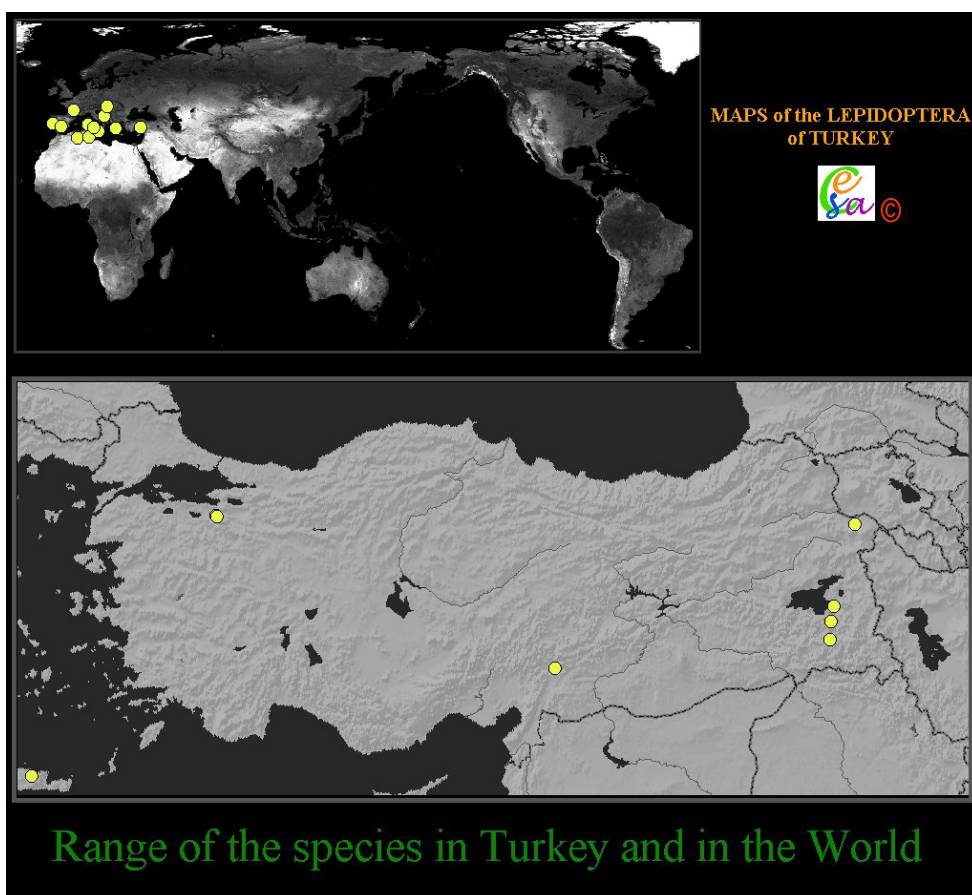
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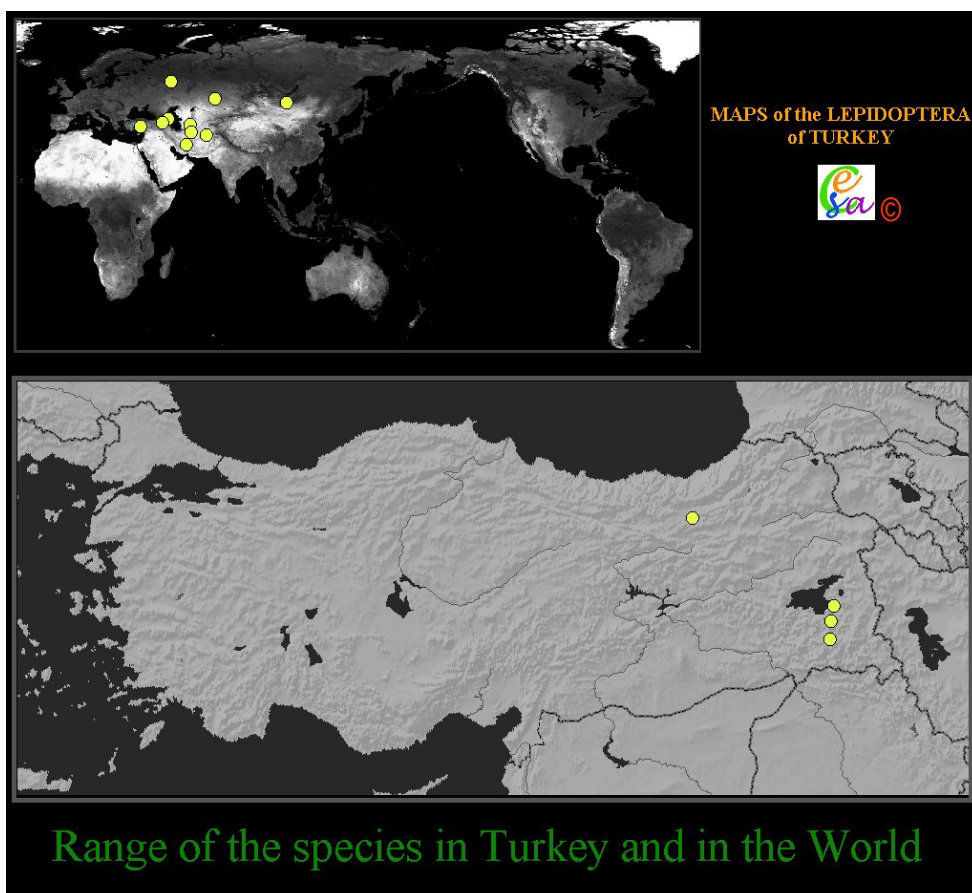
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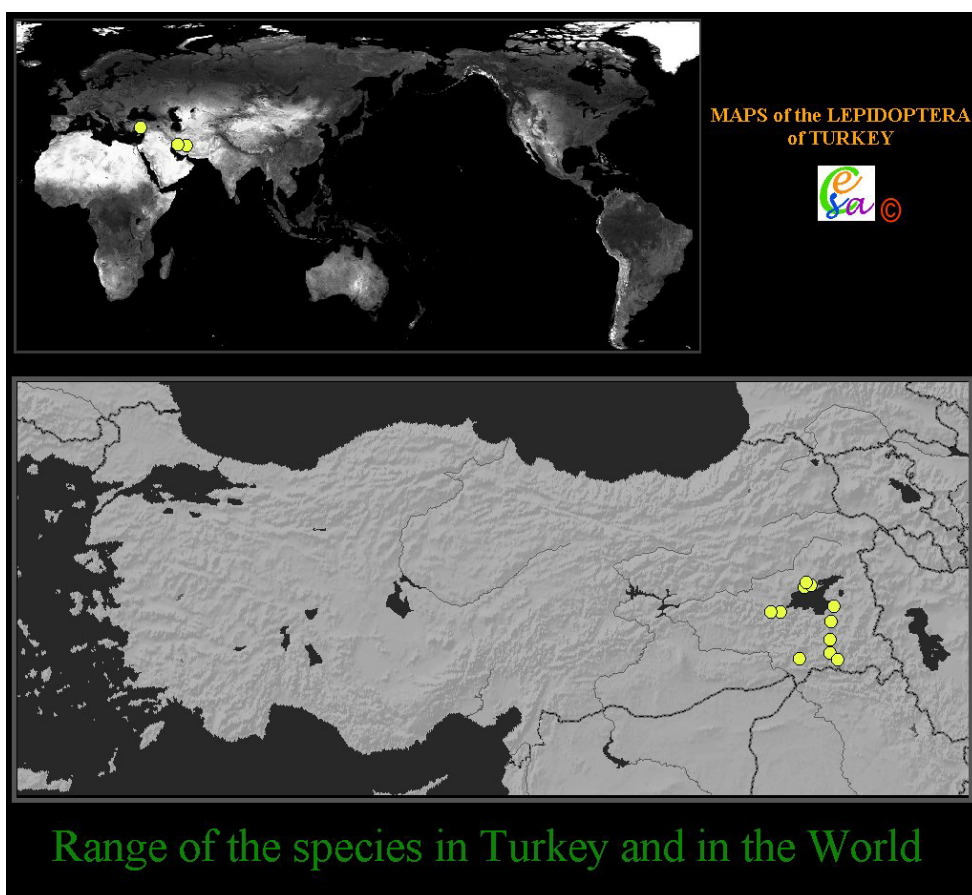
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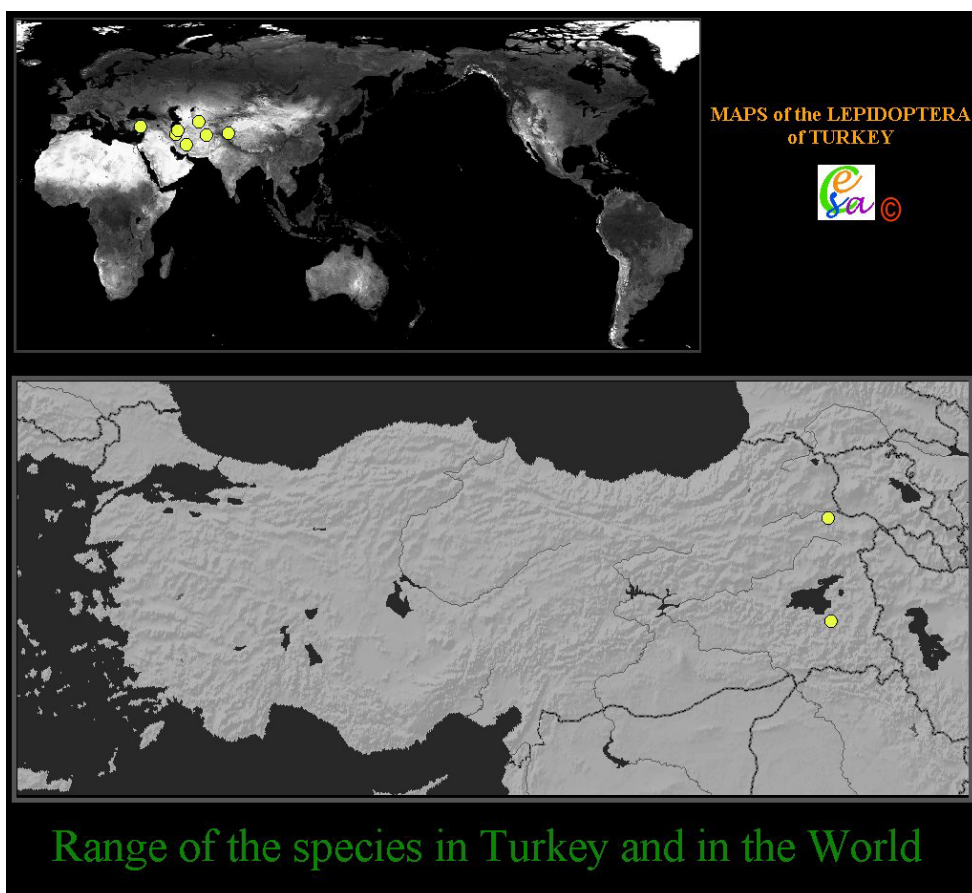
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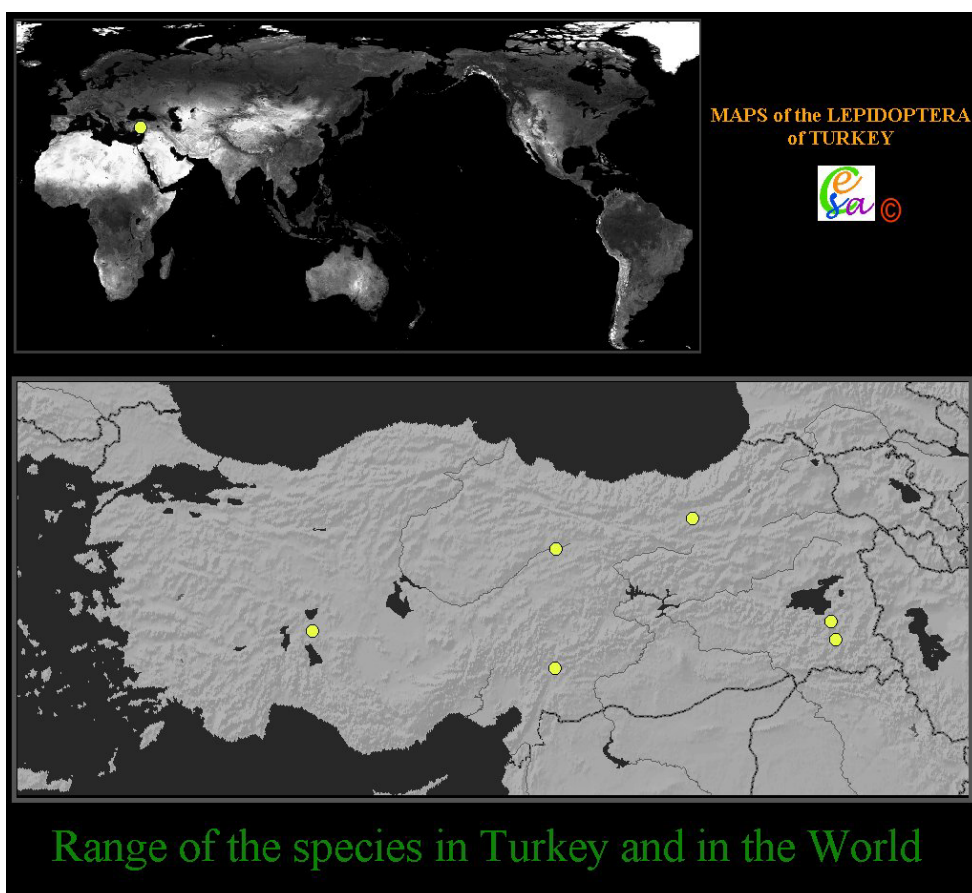
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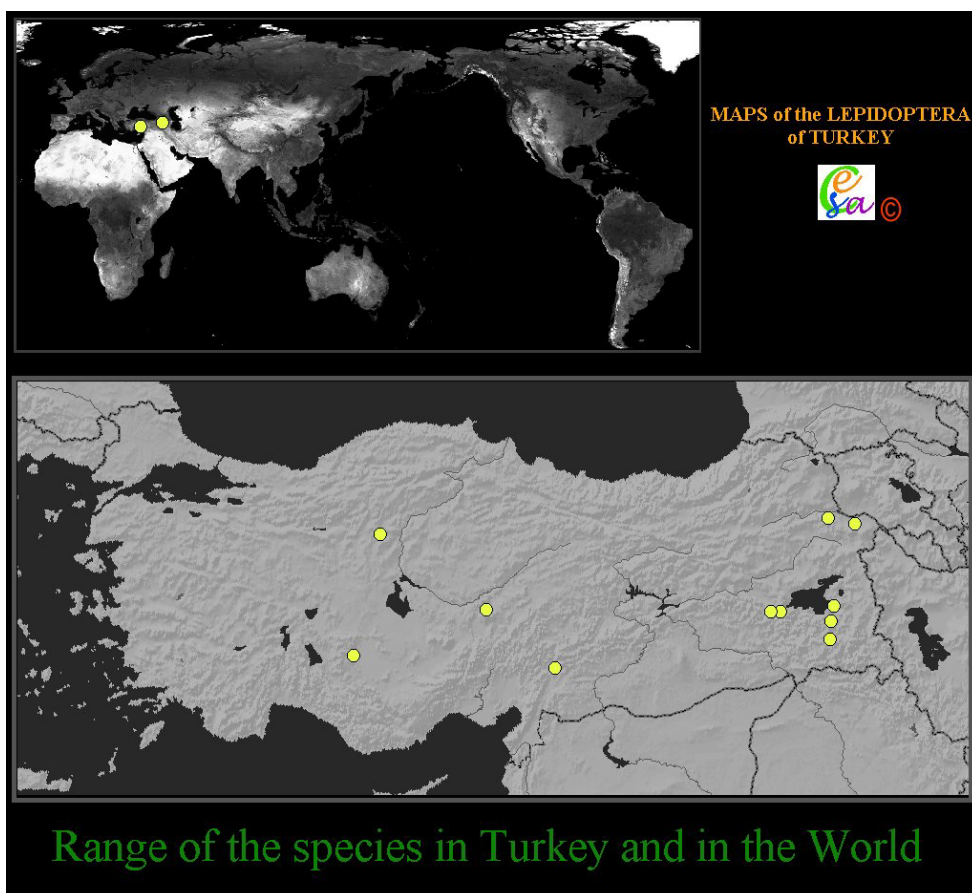
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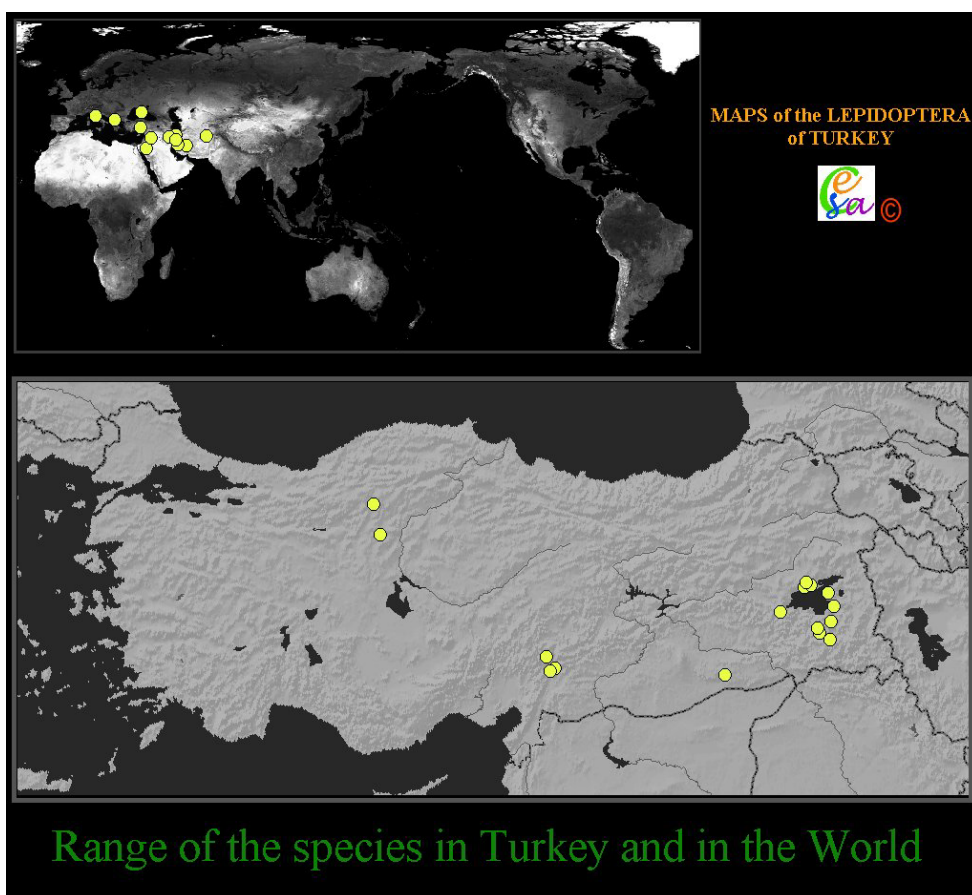
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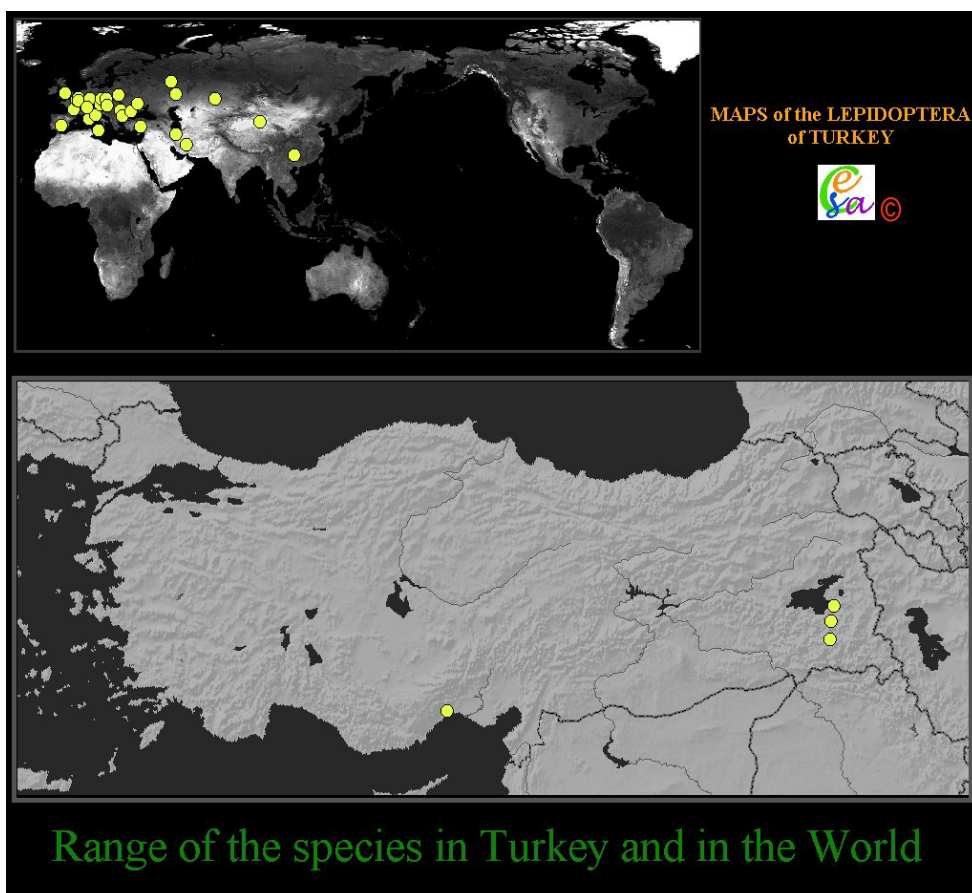
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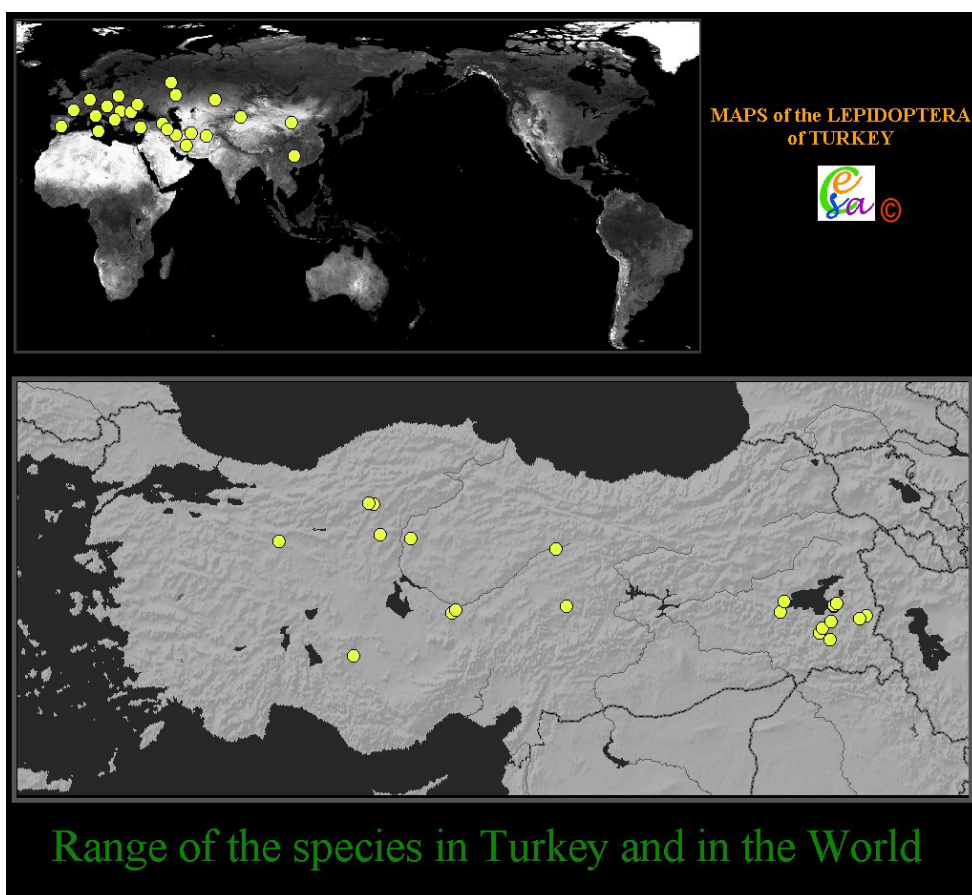
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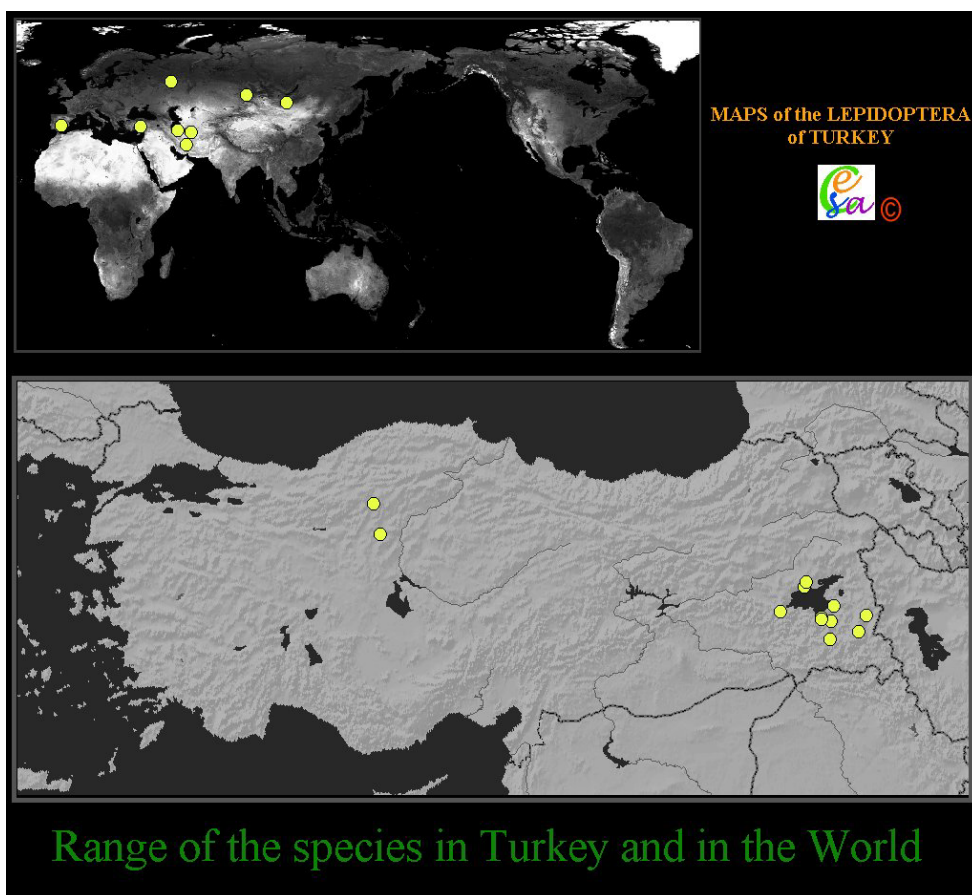
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